BIBLIOGRAPHY OF SOIL SCIENCE

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BIBLIOGRAPHY of SOIL SCIENCE, FERTILIZERS and GENERAL AGRONOMY

1944-1947

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PREFACE

This, the fifth volume of the Bibliography of Soil Science, includes the papers referenced in *Soils and Fertilizers*, Vols. 8-10 (1945-1947). A considerable number of papers published prior to 1944 has been included because, owing to delays caused by the war, these were not referenced at the Soil Bureau until some years after their publication.

Arrangement of the Entries

Each entry in the Bibliography consists of a classification number, followed by the authors' names, the title of the paper (in English), and the reference to its original publication (journal, volume, year of issue, pages). When a paper has been noted in an abstract journal, this is indicated after the original reference: e.g., *Hawaii. Plant. Rec.* 48, 1944 (83-92). E.S.R. 92 (176). A capital letter in square brackets following the reference denotes the language in which the paper is written; a small letter denotes that there is a summary in another language—e.g., [G.e.]= German with English summary. English [E.] is only indicated for papers published in journals usually written in other languages. It has not been thought necessary to give a list of the letters used to indicate language, as the meaning of the letters is usually self-evident.

The figures in the margin refer to the volume and number of *Soils and Fertilizers* in which an abstract of the paper will be found under the same number as in the Bibliography. Where no abstract or no further information about the paper beyond that given in the title was given in *Soils and Fertilizers* the marginal reference has been omitted. The order of the entries is according to their classification numbers, the significance of which is explained below.

The "Universal Decimal Classification"

This system provides for any subject being represented by a symbol in the form of a decimal number. The whole of knowledge is regarded as unity, and is divided into ten great classes represented by decimal numbers, viz.:—

.0	General works	.5	Pure sciences
.1	Philosophy	.6	Applied sciences
.2	Theology	.7	Art
.3	Social sciences. Law	.8	Literature
.4	Philology	.9	History. Geography. Biography

Further division of these classes is made by extending the decimal, each extension representing a specialization of the preceding one:

.6	Applied sciences	.63144	Soil types
.63	Agriculture	.631445	Climatic soil types
.631	Agronomy	.6314457	Tropical soils
.6314	Soils	.63144573	Laterite

Although these numbers are decimals, it is customary to omit the first decimal point, and to insert a point between every three figures, e.g., the number for laterite is always written 631.445.73. This greatly facilitates reading, but it must always be remembered that the numbers are actually decimals, since entries are arranged in numerical decimal order, 63 succeeding 629 and preceding 631. The decimal arrangement has the advantage that the subjects classified can be greatly diversified, while at the same time closely related subjects occur consecutively in the bibliography.

Each decimal number represents a specific subject, but, more frequently than not, papers deal with the interrelations of two or more subjects. Various devices are used for expressing compound notions, the most common being the colon (:). For example, a paper on the fixation (631.414.3) of soil phosphates (631.416.2) is numbered

631.416.2 : 631.414.3

and is placed in the bibliography between papers on soil

phosphates in relation to clay (631.414.2) and soil phosphates in relation to acidity (631.415.1), thus

631.416.2 Phosphates in soil

.....

631.416.2 : 631.414.2 Phosphates in relation to clay

631.416.2 : 631.414.3 Phosphate fixation

631.416.2 : 631.415.1 Phosphates in relation to acidity

.....

631.416.3 Trace elements (non-metallic) in soil.

An alternative symbol for expressing compound notions is the hyphen, which is used to save repetition where there is a common class number. The hyphen may only be used in certain specified places, for example, in the crops section where provision is made for any number in the 631 (agronomy) and 632 (plant-diseases) sections to be hyphened to numbers in the 633 to 635 (economic-plants) sections. Thus the symbol for the nitrogenous manuring of apple trees is shortened from

634.11 : 631.84 (apples) (nitrogen fertilizers) to 634.11-1.84,

the hyphen replacing the first two common figures 63. Although the hyphen may at first be found somewhat confusing, consideration will show that the hyphenated form of expressing a compound idea is often more logical than the longer coloned form. This will become clear if we write 631.4 as 63-1.4, "soils used in agriculture (63)". Then 634.9-1.4 becomes "soils used in forestry (634.9)", or "forest soils", whereas the longer form 634.9 : 631.4 would strictly denote "forestry in relation to agricultural soils".

A stroke (/) is used when two or more consecutive subjects are dealt with at a time, to show that all the intermediate numbers are included. A paper on potassic (631.83), nitrogenous (631.84) and phosphatic (631.85) manures would be numbered 631.83/.85, and one on the distribution of economic plants throughout the world, 633/.5, to cover all the plants in each of the sections 633, 634 and 635.

Occasional use has also been made in the Bibliography of the so-called " analytical subdivisions " indicating general notions, such as colour, applicable to a series of subjects. Analytical subdivisions are distinguished by having the cypher 0 as the first figure, and they are suffixed to, and become a part of the number denoting the main subject : —

061.6 colour 631.4.061.6 soil colour

Arrangement of the Bibliography

The arrangement of the Bibliography follows the classification's general principle of proceeding in order of increasing specialization, so that papers on the whole subject are followed by those on its branches. The entries follow in numerical (decimal) order, then within any number chronologically by year and finally alphabetically by author under each year. Simple numbers precede colons and colons precede hyphens. The system will immediately be clear on reference to the Bibliography. A complete list of all the numbers used is given on pp. xiv–xxvii, but the main key to the Bibliography is the alphabetical Subject Index (pp. 387-451).

The Index to the Bibliography

Entries in the Index indicate where all the papers dealing with any particular subject are to be found. Thus " Soil reaction 631.415.1 " denotes that all papers of which soil reaction is the principal theme occur in the Bibliography under that number. These papers are classified either merely as 631.415.1, or as 631.415.1 followed by a colon and another number, e.g., 631.415.1 : 545.371 indicator (545.371 measurement of pH. There are, however, scattered through different parts of the Bibliography numerous papers in which the soil-reaction number comes second (after a colon or hyphen). Thus, "the influence of pH on base-exchange capacity " 631.414.3.03 : 631.415.1 is listed in the 631.414.3.03 section of the Bibliography, but the

existence of papers on this and related subjects, and the fact that they have a bearing on soil reaction are noted in the index as follows :

Soil reaction 631.415.1
.....
base-exchange capacity and 631.414.3.03 :
.....
potato scab and 633.491-2.4-

the indented entries indicating that papers on soil reaction in relation to base-exchange capacity and potato scab are listed under 631.414.3.03 : 631.415.1 and 633.491-2.4-1.415.1 respectively. The indented and main entries together comprise a complete index to every paper containing 631.415.1 anywhere in its classification number.

Certain numbers, particularly those outside the 63 section, never occur first in the classification symbols, but only after a colon. These are indexed in precisely the same way as the more frequently occurring agricultural and soil numbers, e.g.—

Silica and silicates 546.284
in plants 631.811.9 :

No papers will be found under the simple number 546.284, but there are two under 631.811.9 : 546.284, to which the above entry in the Index refers. When three numbers are used in classifying a paper, the first two are treated as one for purposes of cross-indexing, e.g.—

Soil reaction 631.415.1
potato scab and 633.491-2.4-

the principle being to cross-index every number which occurs second or third to the number or numbers *preceding* it in the classification symbol.

Hyphened numbers are indexed in the same way as if they were coloned, but it must be remembered that the first two figures in the second of two hyphened numbers are omitted when the symbol is printed.

In order to economize space, hyphened numbers compounded of the crop sections (633/5) and any of the following sections

631.4	(soils)	e.g. 633.72-1.4—tea soils,
631.5	(culture)	e.g. 633.491-1.5—potato culture,
631.81	(fertilizers)	e.g. 633.11-1.81—fertilizers for wheat,

are not specifically referred to in the Index, since almost every crop number is hyphened to -1.4, -1.5 and -1.81. These sections all represent very general subjects, and the user interested in soils, culture or fertilizers for a particular crop need only ascertain the number assigned to the crop, and can refer immediately to the corresponding hyphened part of the crop section in the Bibliography.

Where many, but not all, crop numbers are hyphened to certain numbers—e.g. to -1.83, -1.84 and -1.85 (K, N and P fertilizers)—space is saved in the Index by not giving each crop a separate line, but merely listing the crop numbers, thus—

Phosphatic fertilizers 631.85

.....

.....

Crops : 633.11-, 633.2/3-, ... 635-, 635.656-, 635.939.98-

indicating that references to phosphate fertilizing will be found under 633.11-1.85, 633.2/3-1.85, etc.

The subjects listed in the Index have been expressed in as brief and general a form as possible, since one entry frequently covers several papers dealing with the same subject from different standpoints.

The Geographical Bibliography

Papers with an essentially local interest, e.g., soil surveys, are listed in a separate "geographical" bibliography, following the main one. The ordinary classification numbers of these papers are preceded by a geographical number, enclosed in brackets, indicating the place to which each

paper refers, and the papers are arranged primarily according to these numbers and afterwards in the order followed in the main bibliography. A list of geographical numbers is given at the end of the Numerical Index, and they are also included in the Subject Index under the places to which they refer. Papers in the Geographical Bibliography are shown in the Index by the letter (G), followed by the appropriate geographical numbers, e.g.,

Grassland	633.2.03
.....	.....
(G) (42), (44), (485), (548.7), (669), etc.	

indicates that besides the references to grassland in the Main Bibliography, others of local interest occur in the Geographical Bibliography under (42)633.2.03—" grassland in England "—etc.

INDEX TO CLASSIFICATION NUMBERS

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.15 Maize
.16 Barley
.17 Millet, sorghum, kaffir corn
.18 Rice
.19 Adlay (*Coix lachryma-jobi*)

633.2 Grasses
633.2.03 Grassland
.21 Bluegrass, *Poa*
.262 Brome grass
.263 Rye grass
.264 Fescue
.267 *Phalaris tuberosa*
.28 Wild rye grass (*Elymus canadensis*)
.281 Manila grass (*Zoysia matrella*)
.282 Sudan grass
.283 Elephant grass, Napier grass (*Pennisetum purpureum*). Guinea grass (*Panicu mmaximum*). Kikuyu grass (*Pennisetum clandestinum*). Nile grass (*Acroceras macrum*)
.284 Perennial veldt grass (*Ehrharta calycina*)
.285 Esparto
.286 *Danthonia semiannularis*
633.287 Blue grama grass. Rhodes grass (*Chloris gayana*). Rice grass (*Spartina Townsendii*)
.288 Lovegrass (*Eragrostis* spp.) Pampas grass
.289 Matgrass (*Nardus stricta*)
.292 Cactus

633.3 Legumes
633.31 Lucerne (*Medicago sativa*)
.32 Clovers
.321 Red clover (*Trifolium pratense*)
.322 Ladino clover (*T. repens* L. var. *Latum*)
.325 Strawberry clover (*T. resupinatum*)
.326 Subterranean clover (*T. subterraneum*)
.327 Crimson clover (*T. incarnatum*)
.329 Berseem (*T. alexandrinum*)
.33 Cowpea (*Vigna*)
.34 Soybean
.35 Vetch
.361 Sainfoin (*Onobrychis sativa*)
.364 Lespedeza
.365 Kaimi Spanish clover (*Desmodium canum*)
.366 Sweet clover (*Melilotus*)
.367 Lupin
.372 Broom (*Cytisus*). Spanish broom. (*Spartium junceum* L.)

633.375 *Astragalus.* Black locust (*Robinia*). Devils' shoestring (*Tephrosia virgiphniana*)
.377 Derris
.378 Chickpea (*Cicer*). Yam bean (*Pachyrhizus*)
.379 Kudzu(*Pueraria*)

633.4 Root crops

633.41 Beet
.42 Turnip, rape, swede
.426 Mangold
.491 Potato
.492 Sweet potato
.494 Jerusalem artichoke (*Helianthus*)

633.5 Fibre crops

633.51 Cotton
.52 Flax
.522 Hemp
.523 Jute
.524.1 Sunn hemp (*Crotalaria*)
.524.3 Kenaf (*Hibiscus cannabinus*)
.524.33 *Urena lobata*
.524.635.3 Nettle (*Urtica*)
.525.1 Ramie
.526.22 Henequen
.526.23 Sisal
.526.41 *Phormium tenax*
.526.43 Yucca
.584.3 Willow
.584.5 Bamboo

633.6 Sugar and starch plants

633.61 Sugar cane
.63 Sugar beet
.682 Sweet cassava, yuca (*Manihot aipi* Pohl)
.685 Yam

633.7 Stimulants

633.71 Tobacco
.72 Tea
.73 Coffee
.74 Cacao
.75 Poppy
.77 Maté
.78 Chicory
.79 Hops

633.8 Aromatic, medicinal and oil plants

633.812.677.3 Bay-rum tree (*Pimenta racemosa*)
.812.756 Clary (*Salvia sclarea* L.)
.821 Vanilla
.822 Peppermint
.825 Ginger
.83 Spices
.831 Pimento
.832 Clove
.841 Pan (*Piper Belle*)
.842 Paprika
.844 Mustard
.85 Oil plants
.853.55 Castor-oil plant (*Ricinus*)
.853.74 *Sesamum*
.854.56 Tung (*Aleurites*)
.854.78 Sunflower
.854.797 Safflower
.855.34 Oil palm
.855.372 Babassu
.855.74 Shea (*Butyrospermum parkii*)
.861.3 Turmeric
.862.4 Indigo
.871 Sumac
.879 Babul tree. (*Acacia arabica*). Tanning plants
.88 Medicinal plants
.881.1 *Strophanthus*
.881.15 *Digitalis*
.883.85 Areca nut
.885.1 Cinchona
.887.791 Pyrethrum
.888.41 *Atropa belladonna*
.888.43 *Duboisia. Hyoscyamus*

633.91 Rubber plants

633.912 *Hevea*
.913.1 Funtumia
.913.31 Guayule (*Parthenium argentatum*)

633.913.32 Kok-saghyz (*Taraxacum*)
.913.36 Tau-saghyz (*Scorzonera*)
633.913.421 Milkweed (*Asclepias syriaca*)
.913.43 *Cryptostegia*

634 ORCHARDS. FRUIT

634.1 Pome fruits
634.11 Apple
.13 Pear
634.2 Stone fruits
.21 Apricot
.22 Plum. Prune
.23 Cherry
.25 Peach
634.3 Citrus
634.31 Orange
.323 Grapefruit
.334 Lemon
.38 Mulberry
634.4 Small fruits
634.41 Custard apple (*Anona*)
.42 Feijoa (*Feijoa sellowiana* Berg.)
.441 Mango
.451 Kaki (*Diospyros kaki*)
.471 Mangosteen (*Garcinia mangostana* L.)
634.5 Nuts
634.51 Walnut
.521 Pecan
.55 Almond
634.57 Queensland nut (*Macadamia ternifolia*)
.573 Cashew nut (*Anacardium occidentale*)
.58 Groundnut. Peanut (*Arachis*)
634.6 Palm fruits
634.61 Coconut
.62 Date palm
.63 Olive
.651 Papaya
.653 Avocado
634.7 Bush fruits
634.711 Raspberry
.714 Loganberry
.715 Blackberry
.723 Black currant
.73 Blueberry, bilberry
.75 Strawberry
.76 Cranberry
.771 Banana
.774 Pineapple
.776 Passion fruit
634.8 Viticulture

634.9 FORESTRY

634.9-1.4 Forest soils
634.928.53 Tree growth
634.94 Forest types
634.95 Silviculture
634.952.2 Clear cutting
.953.6 Shade trees. Windbreaks. Shelter belts
.956.4 Forest nurseries
.957 Afforestation
634.972/3 Deciduous trees. Hardwoods
634.972.1 Oak
.2 Maple
.3 Poplar
.4 Chestnut
.5 Beech
.6 Birch
.8 Elm
.973.662 Alder
.797 Balsa (*Ochroma*)
.949 Teak
634.975 Conifers
634.989.84 Forest litter

635 VEGETABLES

635.128	Celeriac	635.52	Lettuce
.13	Carrot	.53	Celery
.136	Chervil (*Scandix cerefolium*)	.61	Melon
		.624	Pumpkin
.25	Onion	.627	Chayote, Choko (*Sechium edule*)
.31	Asparagus		
.32	Globe artichoke	.63	Cucumber
.34	Cabbage	.64	Tomato
.35	Cauliflower	.65	Beans
.41	Spinach	.656	Peas
.48	Rhubarb	.8	Mushroom

635.9 ORNAMENTAL HORTICULTURE

635.935.724	Narcissus	635.939.516	Antirrhinum
.935.79	Gladiolus. Iris	.939.98	Chrysanthemum
.937.138	Sweet pea	.944	Tulip
.937.34	Rose	.964	Lawns. Turf
.939.124	Azalea. Rhododendron	.977.261	Box tree
		.98	Greenhouse plants

636/8 LIVESTOCK AND PRODUCTS

636.084.22	Grazing	636.39	Goats
636.086.25	Straw	636.5	Poultry
636.1	Horses	637.1	Milk
636.2	Cattle	638.16	Honey
636.3	Sheep		

66/93 MISCELLANEOUS

663.12	Yeast	778.35	Aerial photography
664.15	Molasses		
668.12	Soap	902.6	Archaeology
675	Leather	93	History
677.31	Wool		

GEOGRAPHICAL NUMBERS

(4) EUROPE

(411)	Scotland	(458.2)	Malta
(416)	Northern Ireland	(46)	Spain
(417)	Éire	(469)	Portugal
(42)	England	(47)	Russia
(43)	Germany	(471)	Finland
(436)	Austria	(474.3)	Latvia
(437)	Czechoslovakia	(477)	South Russia. Ruthenia. Ukraine
(44)	France		
(45)	Italy		

(481)	Norway	(493)	Belgium
(485)	Sweden	(494)	Switzerland
(489)	Denmark	(495)	Greece
(491)	Iceland	(499)	Greek Archipelago, Aegean Islands
(492)	Holland		

(5) ASIA

(51)	China	(55)	Iran
(517)	Mongolia	(56)	Turkey
(518)	Manchuria	(569)	Palestine
(52)	Japan	(57)	Siberia
(529.1)	Formosa (Taiwan)	(581)	Afghanistan
(54)	India	(584)	Central Asia
(548.7)	Ceylon	(593)	Siam
(55/56)	Middle East		

(6) AFRICA

(61)	North Africa	(672)	French Equatorial Africa
(611)	Tunisia		
(612)	Libya	(675)	Congo
(62)	Egypt	(676)	East Africa
(624)	Anglo-Egyptian Sudan	(676.1)	Uganda
		(676.2/9)	Kenya
(63)	Abyssinia	(677)	Somaliland
(64)	Morocco	(678)	Tanganyika
(649)	Canary Islands	(68.01)	Union of South Africa
(65)	Algeria		
(66)	North Central Africa	(686)	Basutoland
		(689.1)	Southern Rhodesia
(661)	French West Africa	(689.4)	Northern Rhodesia
(666)	Liberia		
(667)	Gold Coast	(689.7)	Nyasaland
(669)	Nigeria	(691)	Madagascar
(671)	Cameroons	(698.2)	Mauritius

(7) NORTH AND CENTRAL AMERICA

(71)	Canada	(728.2)	British Honduras
(711)	British Columbia	(728.5)	Nicaragua
(712)	Prairie Provinces	(728.6)	Costa Rica
(712.3)	Alberta	(729)	West Indies
(712.4)	Saskatchewan	(729.1)	Cuba
(713)	Ontario	(729.2)	Jamaica
(714)	Quebec	(729.4)	Haiti
(715)	New Brunswick	(729.5)	Puerto Rico
(716)	Nova Scotia	(729.8)	Barbados, St. Lucia, Trinidad and Tobago
(72)	Mexico		
(728)	Central America		
(728.1)	Guatemala	(729.9)	Bermuda

(73)	United States	(77)	North - central United States (Iowa, Indiana, Missouri, Michigan, Minnesota, Ohio, Wisconsin)
(74)	North-eastern United States (Rhode Island, New York, Maine, New Jersey)	(78)	Middle - western United States (Arizona, N. and S. Dakota, Kansas, Nebraska, Colorado, New Mexico)
(75)	South-eastern United States (Florida, Virginia, N. and S. Carolina, Georgia)	(79)	Western United States (California, Idaho, Montana, Oregon, Utah, Washington)
(76)	Southern United States (Tennessee, Oklahoma, Mississippi, Texas, Alabama)	(798)	Alaska

(8) SOUTH AMERICA

(81)	Brazil	(86)	Colombia
(82)	Argentina	(866)	Ecuador
(83)	Chile	(87)	Venezuela
(84)	Bolivia	(881)	British Guiana
(85)	Peru	(899)	Uruguay

(9) OCEANIA

(914)	Philippine Islands	(941)	Western Australia
(92)	Netherlands Indies	(942)	South Australia
(931)	New Zealand	(943)	Queensland
(934)	New Hebrides	(944)	New South Wales
(94)	Australia	(945)	Victoria
		(961)	Fiji
		(967.2)	Guam

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Acta Agralia Fenn. Acta Agralia Fennica (Suomen Maataloustieteellisen Seuran Julkaisuja). Helsinki.

Acta Agric. Suecana. Acta Agriculturae Suecana. Stockholm.

Acta Chem. Fenn. Acta Chemica Fennica (Suomen Kemistilehti). Helsinki.

Advancement of Science. British Association for the Advancement of Science. London.

Agric. Chem. Agricultural Chemicals. New York.

Agric. Chron. Moscow. Agricultural Chronicle. U.S.S.R. Moscow.

Agric. Engng. Agricultural Engineering. Benton Harbor, Mich.

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Agric. Gaz. N.S.W. Agricultural Gazette of New South Wales. Sydney.

Agric. in Americas. Agriculture in the Americas. Washington, D.C.

Agric. Inst. Rev. Agricultural Institute Review. Ottawa.

Agric. Prog. Agricultural Progress (The Journal of the Agricultural Education Association). Newport, Shropshire.

Agric. Téc. Santiago. Agricultura Técnica. Ministerio de Agricultura. Santiago, Chile.

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Agricultura. Bulletin Trimestriel de l'Association des Anciens Étudiants de l'Institut Agronomique de l'Université de Louvain. Héverlé, Louvain.

Agriculture. (*Formerly* J. Min. Agric.) London.

Agrogeol. Julk. Maatalanskoelaitoksen Maatutkimusosasto Agrogeologista Julkaisuja (Soil Division of the Central Agricultural Experiment Station of Finland). Helsinki.

Agron. Lusit. Agronomia Lusitana. Estação Agronómica Nacional. Belém.

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Allg. Forst- u. Jagdztg. Allgemeine Forst- und Jagdzeitung. Frankfurt-am-Main.

Alm. Min. Agric. Cuba. Almanaque del Ministerio de Agricultura. Republica de Cuba. Havana.

Alpw. Mbl. Alpwirtschaftliche Monatsblätter. Solothurn.

Amer. Fert. The American Fertilizer. Philadelphia, Pa.

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Amer. Potato J. American Potato Journal. Somerville, N.J.

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An. Esc. Sup. Agric. Luiz de Queiroz. Anais da Escola Superior de Agricultura "Luiz de Queiroz". São Paulo.

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Ann. Fac. Sci. Marseille. Annales de la Faculté des Sciences de Marseille. Marseilles.

Ann. Gembloux. Annales de Gembloux. Gembloux.

Ann. Inst. Agric. Algérie. Annales de l'Institut Agricole et des Services de Recherches et d'Expérimentation Agricoles de l'Algérie. Algiers.

Ann. Inst. Pasteur. Annales de l'Institut Pasteur. Paris.

Ann. l'Acfas. Annales de l'Acfas. Association Canadienne-Française pour l'Avancement des Sciences. Montreal.

Ann. Microbiol. (C.A.)

Ann. Rept. Geol. Soil Surv. Fukien. Annual Report of the Geological Soil Survey of Fukien. Yungan, Fukien.

Ann. Rev. Biochem. Annual Review of Biochemistry. Stanford University, California.

Ann. Serv. Bot. Agron. Tunisie. Annales du Service Botanique et Agronomique de la Direction des Affaires Économiques de Tunisie. L'Ariana, Tunisia.

Ann. Sper. Agrar. Roma. Annali della Sperimentazione Agraria. Rome.

Ann. Sta. Chim.-Agrar. Roma. Annali della R. Stazione Chimico-Agrario Sperimentale di Roma. Rome.

Ann. Sta. Sper. Agrar. Modena. Annali della R. Stazione Sperimentale Agraria di Modena. Modena.

Antiquity. Gloucester.

Antonie van Leeuwenhoek. Journal of Microbiology and Serology. Amsterdam.

Anzeiger Schädlingsk. Anzeiger für Schädlingskunde, zugleich Nachrichtenblatt der Deutschen Gesellschaft für Angewandte Entomologie. Berlin.

Appal. For. Expt. Sta. Tech. Note. Appalachian Forest Experiment Station, Technical Note. Ashville, Tenn.

Arch. Hydrobiol. Archiv fur Hydrobiologie. Stuttgart.

Arch. Inst., Bot. Liége. Archives de l'Institut Botanique de l'Université de Liége. Brussels.

Arch. Inst. Pasteur Algérie. Archives de l'Institut Pasteur d'Algérie. Algiers.

Arch. Mikrobiol. Archiv für Mikrobiologie. Berlin.

Arch. Phys. Biol. Archives de physique biologique et de chimie-physique des corps organisés. Paris.

Ariz. Agric. Expt. Sta. Bull. Arizona Agricultural Experiment Station. Bulletin. Tucson, Ariz.

Ariz. Agric. Expt. Sta. Rept. Arizona Agricultural Experiment Station Annual Report. Tucson, Ariz.

Ariz. Agric. Expt. Sta. Tech. Bull. Arizona Agricultural Experiment Station. Technical Bulletin. Tucson, Ariz.

Ark. Agric. Expt. Sta. Bull. Arkansas Agricultural Experiment Station. Bulletin. Fayetteville, Ark.

Arq. Biol. Tec. Arquivos de Biologia e Tecnologia. Parana.

Årsskr. Alnarps Lantbr. Inst. Årsskrift från Alnarps Lantbruks-, Mejeri- och Trädgårdsinstitut. Malmö.

Årsskr. Alnarps Lantbr. Trädgårdsinst. Årsskrift från Alnarps Lantbruks-, Mejeri- och Trädgårdsinstitut. Malmö.

Arts and Science. (C.A.)

Arx. Inst. Cienc. Barcelona. Arxius de l'Institut de Ciencias. Barcelona.

Assoc. Sci. Workers S. Africa Misc. Pub. Association of Scientific Workers in South Africa. Miscellaneous Publication. Cape Town.

Atti Accad. Fisiocr. Siena Sez. Agrar. Atti della R. Accademia dei Fisiocritici di Siena. Sezione Agraria. Siena.

Atti Relaz. Acead. Pugliese Sci. Atti e Relazioni dell'Accademia Pugliese delle Scienze. Bari.

Aust. Chem. Inst. J. Proc. The Australian Chemical Institute. Journal and Proceedings. Melbourne.

Aust. Counc. Sci. Indust. Res. Bull. Commonwealth of Australia. Council for Scientific and Industrial Research. Bulletin. Melbourne.

Aust. Counc. Sci. Indust. Res. Rept. Commonwealth of Australia Council for Scientific and Industrial Research. Annual Report. Melbourne.

Aust. Dried Fruits News. Australian Dried Fruits News. Mildura.

Aust. Forestry. Australian Forestry. Perth, W.A.

Aust. Geog. Australian Geographer. Sydney.

Aust. J. Counc. Sci. Indust. Res. Commonwealth of Australia. Journal of the Council for Scientific and Industrial Research. Melbourne.

Aust. J. Expt. Biol. Australian Journal of Experimental Biology and Medical Science. Adelaide.

Aust. J. Sci. The Australian Journal of Science. Sydney.

Aust. Sug. J. Australian Sugar Journal. Brisbane.

Aust. Vet. J. Australian Veterinary Journal. Sydney.

B.A. British Abstracts (*Formerly* British Chemical and Physiological Abstracts). [A. Pure Chemistry and Physiology. B. Applied Chemistry. C. Analysis and Apparatus.] London.

B.C.A. British Chemical and Physiological Abstracts (*Now* British Abstracts). [A. Pure Chemistry and Physiology. B. Applied Chemistry.] London.

B.W.I. Sug. Assoc. Repts. Res. Wk. British West Indies Sugar Association. Reports on Research Work. Bridgetown, Barbados.

Bact. Rev. Bacteriological Reviews. Baltimore, Md.

Barbados Agric. J. Barbados Department of Science and Agriculture Agricultural Journal. Bridgetown.

Barbados Dept. Sci. Agric. Bull. Department of Science and Agriculture Bulletin. Barbados.

Barbados Dept. Sci. Agric. Rept. Barbados Department of Science and Agriculture Annual Report. Barbados.

Barbados Sug. Prod. Assoc. Barbados Sugar Producers' Association. Barbados.

Bastfaser. Beilage zur Wochenschrift "Der Deutsche Leinenindustrielle." Lausitz, Germany.

Basutoland Rept. Dept. Agric. Basutoland. Annual Report of the Department of Agriculture. Maseru, Basutoland.

Bath and West Soc. Pamph. Bath and West and Southern Counties Society. Pamphlet. Bath.

Ber. Landboforen. Virks. Planteavl. Sjaelland. Beretning om Landboforeningernes Virksomhed for Planteavlen par Sjaelland. Copenhagen.

Ber. Landw. Berl. Bericht über Landwirtschaft hrsg. im Reichsamte des Innern. Berlin.

Ber. Landw. Forsch. Generalgouv. (C.A.)

Ber. Planteavlsarb. Landboforen. Fyns Stift. Beretning om Planteavlsarbejdet i Landboforeningerne i Fyns Stift. Odense.

Ber. Schweiz. Bot. Ges. Bericht der Schweizerischen Botanischen Gesellschaft. Bern.

Bergens Museums Årbok Naturvitenskap. Rekke. Bergens Museums Årbok Naturvitenskapelig Rekke. Bergen.

Bermuda Dept. Agric. Bull. Bermuda Department of Agriculture. Bulletin. Bermuda.

Better Crops with Plant Food. Washington, D.C.

Better Fruit. Portland, Oreg.

Biochem. J. The Biochemical Journal. London.

Biochem. Ztschr. Biochemische Zeitschrift. Berlin.

Biol. Abs. Biological Abstracts. Easton, Pa.

Biol. Gener. Biologia generalis Archives Internationales de Biologie Générale. Vienna and New York.

Biol. Rev. Biological Reviews of the Cambridge Philosophical Society. London.

Blue Anchor. The Blue Anchor. Californian Fruit Exchange, Sacramento, Calif.

Blyttia. Oslo.

Bodenk. PflErnähr. Bodenkunde und Pflanzenernährung. Berlin.

Bol. Agric. S. Paulo. Boletim de Agricultura (State of S. Paulo Dept. of Agriculture). São Paulo.

Bol. Agric. Terr. Esp. Golfo de Guinea. (R.A.M.)

Bol. Comp. Admin. Guano. Boletin de la Compania Administradora del Guano. Lima.

Bol. Curs. Aperf. Espec. Boletim Cursado da Aperfeicoamento Especies.

Bol. Dept. Nac. Agric. C. Rica. Boletin del Departamento Nacional de Agricultura. Costa Rica.

Bol. Indúst. Anim. (S. Paulo). Boletim de Indústria Animal (São Paulo). São Paulo.

Bol. Inst. Investig. Agron. Madrid. Boletin del Instituto Nacional de Investigaciones Agronómicas. Madrid.

Bol. Min. Agric. Rio de J. Boletim do Ministerio da Agricultura, Industria e Commercio. Rio de Janeiro.

Bol. Pat. Veg. Ent. Agric. Madr. Boletín de Patología Vegetal y Entomología Agrícola. Madrid.

Bol. Sec. Agric. Pernambuco. Boletin de la Secretaria de Agricultura, Industria e Comercio. Pernambuco.

Bol. Soc. Brasil. Agron. Boletim da Sociedade Brasileira de Agronomia. Rio de Janeiro.

Bol. Soc. Quím. Peru. Boletin de la Socledad Química del Peru. Lima.

Bol. Soc. Venezol. Cienc. Nat. Boletin Sociedad Venezolana de Ciencias Naturales. Caracas.

Bol. Sup. Serv. Café. Boletim da Superintendência dos Serviços do Café. (*Formerly* Revista do Instituto do Café.) São Paulo.

Boll. Soc. Ital. Biol. Sper. Bollettino della Società italiana di biologia sperimentale. Naples.

Boll. Sta. Pat. Veg. Bollettino della R. Stazione di Patologia Vegetale. Rome.

Border Chron. Border Chronicle (Pein Chin-Kuan-Lung).

Bot. Gaz. Botanical Gazette. Chicago.

Bot. Rev. Botanical Review. Lancaster, Pa.

Bot. Zh. S.S.S.R. Botanichesky Zhurnal S.S.S.R. (Botanical Journal of the U.S.S.R.) Leningrad.

Boyce Thompson Inst. Contr. Boyce Thompson Institute for Plant Research. Contributions. Yonkers, N.Y.

Bragantia. Boletim Técnico da Divisão de Experimentação e Pesquisas. Instituto Agronômico do Estado de São Paulo. Campinas, Brazil.

Brasil Açuc. Brasil Açucareiro. Rio de Janeiro.

Brasil. Cong. Agron. Segundo Congresso Brasieiro de Agronomia. Rio de Janeiro.

Brew. Tr. Rev. Brewing Trade Review. London.

Brit. Columbia Dept. Agric. Rept. British Columbia Department of Agriculture Annual Report. Victoria, B.C.

Brit. Columbia Dept. Lands and Forests Rept. For. Serv. Province of British Columbia, Department of Lands and Forests. Report of the Forest Service. Victoria, B.C.

Brit. Emp. Forest. Fifth Conf. Fifth British Empire Forestry Conference. London.

Brit. Guiana Dept. Agric. Sug. Bull. British Guiana. Department of Agriculture. Sugar Bulletin. Georgetown.

Brit. J. Expt. Path. British Journal of Experimental Pathology. London.

Brit. J. Nutrit. British Journal of Nutrition. London.

Brit. Milit. Admin. Tripolitania Dept. Agric. British Military Administration of Tripolitania. Department of Agriculture.

Brit. Sug. Beet Rev. British Sugar Beet Review. London.

Bucks. Farm. Buckinghamshire Farmer. High Wycombe.

Bull. Acad. Sci. (U.S.S.R.) (Cl. Sci. Math.) Sér. Biol. (*or* **Chim.**) (*or* **Géol.**) Bulletin de l'Académie des Sciences de l'Union des Républiques Soviétiques Socialistes. Classe des Sciences Mathématiques et Naturelles. Série Biologique (*or* Série Chimique), (*or* Série Géologique). Izvestia Akademii Nauk. Moscow.

Bull. Agric. Congo Belge. Bulletin Agricole du Congo Belge. Brussels.

Bull. Agron. Min. France d'Outre Mer. Bulletin Agronomique. Ministère de la France d'Outre Mer.

Bull. Amer. Met. Soc. Bulletin of the American Meteorological Society. Milton, Mass.

Bull. Assoc. Chim. Bulletin de l'Association des Chimistes. Paris.

Bull. Del. Bd. Agric. Bulletin of the Delaware Board of Agriculture. Dover, Del.

Bull. Ent. Res. Bulletin of Entomological Research. London.

Bull. Fac. Sci. Fouad I Univ. Bulletin of the Faculty of Science. The Fouad I University. Egypt.

Bull. Geol. Soc. Amer. Bulletin of the Geological Society of America. New York.

Bull. Hung. Coll. Hort. Vin. Bulletin of the Hungarian College for Horticulture and Viticulture, Budapest. A. M. Kerteszeti és Szölészeti Főeskola Közleményei. Budapest.

Bull. Imp. Inst. Bulletin of the Imperial Institute. London.

Bull. Inspect. Gén. Agric. Alger. Gouvernement Générale de l'Algérie. Inspection Générale et Direction de l'Agriculture. Bulletin. Algiers.

Bull. Inst. Agron. Gembloux. Bulletin de l'Institut Agronomique et des Stations de Recherches de Gembloux. Gembloux.

Bull. Inst. Zern. Khoz. Yugo-Vost. S.S.S.R. Bulletin Instituta Zernovogo Khoziaistva Yugo-Vostoka S.S.S.R. Saratov.

Bull. Serv. Bot. Agron. Tunisie. Bulletin du Service Botanique et Agronomique de Tunisie. Tunis.

Bull. Soc. Agric. Algérie. Bulletin de la Société des Agriculteurs d'Algérie. Algiers.

Bull. Soc. Bot. Genève. Bulletin de la Société Botanique de Genève. Geneva.

Bull. Soc. Chim. Belg. Bulletin de la Société Chimique de Belgique. Brussels.

Bull. Soc. Chim. Biol. Paris. Bulletin de la Société de Chimie Biologique. Paris.

Bull. Soc. Chim. Fr. Bulletin de la Société Chimique de France. Paris.

Bull. Soc. For. Belg. Bulletin de la Société Centrale Forestière de Belgique. Brussels.

Bull. Soc. For. Franche-Comté. Bulletin de la Société Forestière de Franche-Comté et Belfort. Besançon.

Bull. Soc. Hist. Nat. Afr. N. Bulletin de la Société d'Histoire Naturelle de l'Afrique du Nord. Algiers.

Bull. Soc. Sci. Bretagne. Bulletin de la Société Scientifique de Bretagne. Rennes.

Bull. Tea Res. Inst. Ceylon. Bulletin. Tea Research Institute of Ceylon. Kandy.

Bull. Un. Agric. Égypte. Bulletin de l'Union des Agriculteurs d'Égypte. Cairo.

C.A. Chemical Abstracts. Easton, Pa.

C.R. Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences. Paris.

C.R. Acad. Agric. Comptes Rendus Hebdomadaires des Séances de l'Académie d'Agriculture de France. Paris.

C.R. Acad. Sci. (U.S.S.R.) Comptes Rendus de l'Académie des Sciences de l'U.S.S.R. (Doklady Akademii Nauk S.S.S.R.) Leningrad.

C.R. Lab. Carlsberg Sér. Chim. (*or* **Physiol.**) Comptes Rendus des Travaux du Laboratoire de Carlsberg. Série Chimique (*or* Série Physiologique). Copenhagen.

Calif. Agric. Expt. Sta. Bull. California Agricultural Experiment Station. Bulletin. Berkeley.

Calif. Agric. Expt. Sta. Circ. California Agricultural Experiment Station. Circular. Berkeley.

Calif. Avocado Soc. Yrbk. California Avocado Society Yearbook. Los Angeles.

Calif. Citrog. California Citrograph. Los Angeles.

Calif. Cultiv. California Cultivator. Los Angeles.

Campbell Soup Co. Dept. Agric. Res., Res. Monogr. Campbell Soup Company Department of Agricultural Research. Research Monograph. Riverton, N.J.

Campesino Santiago de Chile. El Campesino. Santiago.

Canad. Chem. Process Indust. Canadian Chemistry and Process Industries. Toronto.

Canad. Food Packer. Canadian Food Packer. (*Formerly* Canadian Canner and Food Manufacturer.) Gardenvale, P.Q., Can.

Canad. Geog. J. Canadian Geographical Journal. Ottawa.

Canad. J. Res. Canadian Journal of Research. Ottawa.

Canada Dept. Agric. Div. Chem. Ottawa. Canada, Department of Agriculture, Division of Chemistry, Report of the Dominion Chemist. Ottawa.

Canada Dept. Agric. Farm. Bull. Dominion of Canada. Department of Agriculture. Farmers' Bulletin. Ottawa.

Canada Dept. Agric. Pub. Dominion of Canada. Department of Agriculture. Publication. Ottawa.

Canada Dept. Agric. Tech. Bull. Dominion of Canada. Department of Agriculture. Technical Bulletin. Ottawa.

Canada Forest Serv. Sylvic. Res. Note. Canada Forest Service, Sylviculture Research Note. Ottawa.

Canada Rept. Min. Agric. Report of the Minister of Agriculture, Dominion of Canada. Ottawa.

Carib. Forest. Suppl. Caribbean Forester Supplement. Rio Piedras, P.R.

Cawthron Inst. Rept. Cawthron Institute Annual Report. Nelson.

Cent. Res. Agron. Maroc. Centre de Recherches Agronomiques. Rabat, Morocco.

Cereal Chem. Cereal Chemistry. Washington, D.C.

Ceres. Minas Geraes, Brazil.

Ceylon J. Sci. Ceylon Journal of Science. Colombo.

Chem. Engng. News. Chemical and Engineering News. Easton, Pa.

Chem. Indust. Chemistry and Industry. London.

Chem. Met. Engng. Chemical and Metallurgical Engineering. New York.

Chem. Products. Chemical Products. Hornchurch, Essex, England.

Chem. Rev. Chemical Reviews. Baltimore, Md.

Chem. Weekbl. Chemisch Weekblad. Amsterdam.

Chem.-Ztg. Chemiker-Zeitung. Cöthen, Germany.

Chemurgic Digest. National Farm Chemurgic Council. Columbus, Ohio.

Cheshunt Expt. Res. Sta. Rept. Cheshunt Experimental and Research Station. Annual Report. Cheshunt, England.

Chim. Chron. Chimika Chronika (Annales chimiques). Athens, Greece.

Chim. Indust. Chimie et Industrie. Paris.

Chim. Indust. Milano. Chimica e l'Industria. Milan.

Chin. J. Nutr. Chinese Journal of Nutrition. Shanghai.

Citrus Grow. Citrus Grower. Uitenhage, S. Africa.

Citrus Indust. The Citrus Industry. Tampa, Fla.

Citrus Leaves. Redlands, Calif.

Citrus News. Melbourne.

Coal Res. Coal Research. London.

Coconut Res. Scheme (Ceylon) Leafl. Coconut Research Scheme (Ceylon) Leaflet. Lunuwila, Ceylon.

Coffee Bd. Kenya. Mo. Bull. The Coffee Board of Kenya. Monthly Bulletin. Nairobi.

Colo. Agric. Expt. Sta. Bull. Colorado Agricultural Experiment Station. Bulletin. Fort Collins, Colo.

Colo. Agric. Expt. Sta. Tech. Bull. Colorado Agricultural Experiment Station. Technical Bulletin. Fort Collins, Colo.

Colo. Farm Bull. Colorado Farm Bulletin. Quarterly Publication of Colorado Experiment Station. Fort Collins, Colo.

Comm. Fert. Commercial Fertilizer. Atlanta, Ga.

Commonw. Agricst. Commonwealth Agriculturist. Melbourne.

Conf. Interamer. Agric. Caracas. Conference on Interamerican Agriculture. Caracas.

Cong. Nacl. Cienc. Agrár. 12a Secção, Tec. Sup. Caderno Inst. Vinho Porto. (C.A.)

Conn. Agric. Expt. Sta. Bull. Connecticut Agricultural Experiment Station. Bulletin. New Haven, Conn.

Conn. Agric. Expt. Sta. Circ. Connecticut Agricultural Experiment Station. Circular. New Haven, Conn.

Conn. Storrs Agric. Expt. Sta. Bull. Connecticut Storrs Agricultural Experimental Station. Bulletin. Storrs, Conn.

Conv. Naz. Metano. (C.A.)

Cornell Agric. Expt. Sta. Bull. Cornell University Agricultural Experiment Station. Bulletin. Ithaca, N.Y.

Cornell Agric. Expt. Sta. Mem. Cornell University Agricultural Experiment Station. Memoirs. Ithaca, N.Y.

Cornell Univ. Abs. Theses. Cornell University Abstracts of Theses. Ithaca, N.Y.

Costa Rica. Dept. Nac. Agric. Bol. Tec. Costa Rica. Departamento Nacional de Agricultura. Boletin Técnico. Costa Rica.

Crown Colonist. The Crown Colonist. London.

Cult. Hand. Cultuur en Handel. Cortenburg, Belgium.

Curr. Sci. Current Science. Bangalore.

D.S.I.R. Geol. Surv. Gt. Britain Wartime Pamph. Department of Scientific and Industrial Research. Geological Survey of Great Britain. Wartime Pamphlet. London.

D.S.I.R. Road Res. Bull. Department of Scientific and Industrial Research. Road Research Bulletin. London.

Dansk Frøavl. Copenhagen.

Dansk Skovforen. Tidsskr. Dansk Skovforeningens Tidsskrift. Copenhagen.

Date Grow. Inst. Rept. Date Growers Institute. Annual Report. Coachella, Calif.

Del. Agric. Expt. Sta. Bull. Delaware Agricultural Experiment Station. Bulletin. Newark, Del.

Deut. Forstw. Deutsche Forstwirt. Berlin.

Deut. Tabakbau. (C.A.)

Die Chemie. (*Formerly* Angewandte Chemie.) Berlin.

Dir. Ger. Serv. Flor. Pub. Direcção Geral dos Serviços Florestais e Aquícolas. Publicações. Lisbon.

Dokl. Akad. S.-Kh. Nauk. Doklady Vsesoiuznoi Akademii Selsko-Khoziastvennykh Nauk imeni V. I. Lenina (Comptes Rendus de l'Académie des Sciences Agricoles de V. I. Lenin). Moscow.

Dokl. Nauch. Konf. Timiriazev. S.-Kh. Akad. Doklady Nauchnoi Konferentsii Timiriazevskoi S.-Khoziastvennoi Akademii. Moscow.

Down to Earth. Down to Earth. A review of agricultural chemical progress. Dow Chemical Company, Midland, Michigan.

Dozhdevanie. (Biol. Abs.)

E.C.G.R. The Empire Cotton Growing Review. London.

E.S.R. Experiment Station Record. Washington, D.C.

E. Afric. Agric. J. East African Agricultural Journal. Nairobi.

E. Afric. Agric. Res. Inst. Amani Rept. East African Agricultural Research Institute, Amani Report. Amani, Tanganyika.

E. Afric. Med. J. East African Medical Journal. Nairobi.

E. Fruit Grow. Eastern Fruit Grower. Charles Town, W. Va.

E. Malling Res. Sta. Rept. East Malling Research Station. Annual Report. Maidstone.

Eau. L'Eau. Asnières (Seine), France.

Ecol. Monog. Ecological Monographs. Durham, N.C.

Ecology. Brooklyn, N. Y.

Econ. Bot. Economic Botany. Lancaster, Pa.

Econ. Geog. Economic Geography. Worcester, Mass.

Econ. Geol. Economic Geology. Urbana, Ill.

Ecuador Min. Agric. Bol. Ecuador Ministerio de Agricultura. Boletin.

Egypt Min. Public Works, Phys. Dept. Paper. Ministry of Public Works, Egypt. Physical Department Paper. Cairo.

Eire J. Dept. Agric. Journal of the Department of Agriculture, Eire. Dublin.

Emp. Cott. Grow. Corp. Rept. Empire Cotton Growing Corporation. Report. London.

Emp. Cott. Grow. Rev. The Empire Cotton Growing Review. London.

Emp. Forestry J. Empire Forestry Journal. London.

Emp. Forestry Rev. Empire Forestry Review. London.

Emp. J. Expt. Agric. Empire Journal of Experimental Agriculture. London.

Endeavour. London.

Engenharia. São Paulo.

Ergeb. Wiss. Untersuch. Schweiz. Nationalparkes. Ergebnisse Wissenschaftlicher Untersuchungen des schweizerischen Nationalparkes. Aarau.

Ernährung. Die Ernährung. Deutsche Gesellschaft für Ernährungsforschung. Berlin.

Estud. Geog. Estudios Geograficos. Madrid.

Experientia. Basle.

F.A.O. Memo. Food and Agriculture Organization of the United Nations. Memorandum. Washington.

F.A.O. Mission for Greece Rept. F.A.O. Mission for Greece. Report. Food and Agriculture Organization of the United Nations. Washington, D.C.

F.A.O. Tech. Suppl. Food and Agriculture Organization of the United Nations. Report on World Food Situation. Technical Supplement. Washington, D.C.

Farm and Forest. Ibadan, Nigeria.

Farm and Home Sci. Farm and Home Science. Utah Agricultural Experiment Station. Logan, Utah.

Farm Econ. The Farm Economist. Oxford.

Farm Impl. Mach. Rev. Farm Implement and Machinery Review. London.

Farm Impl. News. Farm Implement News. Chicago.

Farm Mech. Farm Mechanization. London.

Farm Res. Farm Research. New York State Agricultural Experiment Station. Geneva, N.Y.

Farm. S. Africa. Farming in South Africa. Pretoria.

Farm Sci. Reptr. Farm Science Reporter. Iowa State College. Ames, Iowa.

Farm. Week. S. Africa. Farmer's Weekly. Bloemfontein.

Farming. London.

Faserforsch. Faserforschung. Sorau.

Fert. Feed. J. Fertiliser, Feeding Stuffs and Farm Supplies Journal. London.

Fert. Rev. Fertilizer Review (National Fertilizer Association). Washington, D.C.

Fiji Agric. J. Fiji Department of Agriculture. Agricultural Journal. Suva.

Finska MosskFören. Årsb. Finska Mosskulturföreningens Årsbok. Helsinki.

Fla. Agric. Expt. Sta. Bull. Florida Agricultural Experiment Station. Bulletin. Gainesville, Fla.

Fla. Agric. Expt. Sta. Pr. Bull. Florida Agricultural Experiment Station. Press Bulletin. Gainesville, Fla.

Fla. Agric. Expt. Sta. Rept. Florida Agricultural Experiment Station. Annual Report. Gainesville, Fla.

Fla. Agric. Expt. Sta. Serv. Bull. Florida Agricultural Experiment Station. Service Bulletin. Gainesville, Fla.

Fla. Dept. Conservation Geol. Bull. Florida Department of Conservation. Geological Bulletin.

Flor. Exch. Florists Exchange and Horticultural Trade World. New York.

Flor. Rev. Florists' Review. Chicago.

Food Packer. (*Formerly* Food Packer and Canning Age). Chicago, Ill.

Food Res. Food Research. Champaign, Illinois.

For. Abs. Forestry Abstracts. Oxford.

For. Chron. Forestry Chronicle. Canadian Society of Forest Engineers. Knowlton, Quebec, Canada.

Foreign Agric. Foreign Agriculture. Washington, D.C.

Forest. Comm. Bull. Forestry Commission Bulletin. London.

Forest. Comm. Leafl. Forestry Commission Leaflet. H.M.S.O. London.

Forest. Comm. Operations Ser. Forestry Commission Operations Series. H.M.S.O., London.

Forestry. London.

Forêt Québecoise. Quebec.

ForschDienst. Forschungsdienst. Berlin.

ForschDienst. Sonderh. Forschungsdienst. Sonderheft. Berlin.

ForschErgebn. Gartenb. Forschungsergebnisse aus dem Gebiete des Gartenbaues. Zurich.

Forsch. u. Fortschr. Forschungen und Fortschritte. Nachrichtenblatt der Deutschen Wissenschaft und Technik. Berlin.

Forstarchiv. Hannover.

Forstl. Forsøgsv. Danm. Forstlige, Det, Forsøksvaesen i Danmark. Copenhagen.

Forstwiss. Cbl. Forstwissenschaftliches Centralblatt. Berlin.

Forstwiss. Cbl. u. Tharandt. Jahrb. Forstwissenschaftliches Centralblatt und Tharandterforstliches Jahrbuch (Kriegsgemeinschaftsausgabe). Berlin.

Friesia. Copenhagen.

Fruit-Grower. The Fruit-Grower. Fruiterer, Florist and Market Gardener. London.

Fruit World Melbourne. Fruit World (of Australasia). Melbourne.

Fruits d'Outre-Mer. Paris.

Fruits Primeurs. Fruits et Primeurs de l'Afrique du Nord et la Revue Française de l'Oranger. Casablanca.

Fukien Prov. Agric. J. Fukien Provincial Agricultural Journal. Foochow.

Futtersaatbau. Leipzig.

Ga. Agric. Expt. Sta. Circ. Georgia Agricultural Experiment Station. Circular. Experiment, Ga.

Ga. Agric. Ext. Serv. Bull. Georgia Agricultural Extension Service Bulletin. Athens, Georgia.

Ga. Coast. Pl. Expt. Sta. Bull. Georgia Coastal Plain Agricultural Experiment Station. Bulletin. Tifton, Ga.

Ga. Coast. Pl. Expt. Sta. Circ. Georgia Coastal Plain Experiment Station. Circular. Tifton, Ga.

Ga. Coast. Pl. Expt. Sta. Mimeo. Paper. Georgia Coastal Plain Agricultural Experiment Station. Mimeograph Paper. Tifton, Ga.

Ga. Expt. Sta. Bull. Georgia Experiment Station of the University System of Georgia. Bulletin. Experiment, Ga.

Ga. Expt. Sta. Rept. Georgia Experiment Station. Annual Report. Experiment, Ga.

Gard. Chron. Gardeners' Chronicle. London.

Gartenbauwiss. Gartenbauwissenschaft. Berlin.

Gas. Los Angeles, Calif.

Gas (The Hague). Het Gas. The Hague.

Gas- u. Wasserfach. Gas- und Wasserfach. Munich.

Gas World. London.

Geog. J. Geographical Journal. London.

Geog. Rev. The Geographical Review. New York.

Geography. London.

Geophys. Geophysics. A Journal of General and Applied Geophysics. Houston, Texas.

Gesundh-Ing. Gesundheits-Ingenieur. Zeitschrift für die Gesamte Städtehygiene. Munich.

Gigiena i Sanit. Gigiena i Sanitariia. Moscow.

Gladiolus. The New England Gladiolus Society Yearbook. Norwood, Mass.

Granos. Buenos Aires.

Hawaii Agric. Expt. Sta. Circ. Hawaii Agricultural Experiment Station. Circular. Honolulu.

Hawaii Agric. Expt. Sta. Rept. Hawaii Agricultural Experiment Station. Annual Report. Honolulu.

Hawaii. Plant. Rec. Hawaiian Planters' Record. Honolulu.

Hawaii Univ. Res. Pub. Hawaii University. Research Publication. Honolulu.

Helminth. Abs. Helminthological Abstracts. St. Albans.

Herb. Abs. Herbage Abstracts. Aberystwyth, Wales.

Herbertia. Orlando, Fla.

Herts. W.A.E.C. Mo. Notes Hertfordshire War Agricultural Executive Committee Monthly Notes. Watford.

Hilgardia. Berkeley, Calif.

Hort. Abs. Horticultural Abstracts. East Malling, Kent.

Hort. Educ. Ass. Occ. Pub. Horticultural Education Association. Occasional Publication. London.

Idaho Agric. Expt. Sta. Bull. Idaho Agricultural Experiment Station. Bulletin. Moscow, Idaho.

Ill. Agric. Expt. Sta. Bull. Illinois Agricultural Experiment Station. Bulletin. Urbana, Ill.

Ill. St. Water Survey Bull. Illinois State Water Survey Bulletin. Urbana, Ill.

Imp. Agric. Bur. Joint Pub. London. Imperial Agricultural Bureaux Joint Publication. London.

Imp. Bur. Hort. Tech. Commun. Imperial Bureau of Horticulture and Plantation Crops. Technical Communication. East Malling.

Imp. Coll. Trop. Agric. Trinidad. Ann. Rept. Cacao Res. Imperial College of Tropical Agriculture, Trinidad. Annual Report on Cacao Research. Trinidad.

Imp. Counc. Agric. Res. Sci. Monog. The Imperial Council of Agricultural Research. Scientific Monograph. Delhi.

Imp. Forestry Inst. Pap. Imperial Forestry Institute Paper. University of Oxford.

Indian Cott. Grow. Rev. Indian Cotton Growing Review. Bombay.

Indian East. Engr. Indian and Eastern Engineer. Calcutta.

Indian Ecologist. Bombay.

Indian Farm. Indian Farming. Delhi.

Indian Forester. Lahore.

Indian J. Agric. Sci. Indian Journal of Agricultural Science. Delhi.

Indian J. Hort. The Indian Journal of Horticulture. Sabour. Bihar.

Indian J. Phys. Indian Journal of Physics. Calcutta.

Indian Sug. Indian Sugar. Cawnpore.

Indiana Agric. Expt. Sta. Bull. Purdue University. Agricultural Experiment Station. Bulletin. Lafayette, Indiana.

Indiana Agric. Expt. Sta. Mimeo. Purdue University. Agricultural Experiment Station. Mimeograph. Lafayette, Indiana.

Indiana Agric. Expt. Sta. Rept. Purdue University. Agricultural Experiment Station Annual Report. Lafayette, Indiana.

Indiana Agric. Expt. Sta. Spec. Circ. Purdue University. Agricultural Experiment Station. Special Circular. Lafayette, Indiana.

Indust. Chim. L'Industrie Chimique. Paris.

Indust. Engng. Chem. Industrial and Engineering Chemistry. Easton, Pa.

Indust. Engng. Chem. (Anal. Ed.) Industrial and Engineering Chemistry. Analytical Edition. (Now Analytical Chemistry). Easton, Pa.

Indust. Quím. Industria y Química. Buenos Aires.

Inst. Belge Amélior. Better Pub. Institut Belge pour l' Amélioration de la Betterave. Publication. Tirlemont, Belgium.

Inst. for. Invest. Esp. (Madrid). Instituto forestal de Investigaciones y Experiencias (Madrid), Trabajos. La Moncloa, Madrid.

Inst. Natl. Ét. Agron. Congo Belge Pub. Sér. Sci. Institut National pour l'Étude Agronomique du Congo Belge. Publications Série Scientifique. Brussels.

Inst. Pl. Indust. Indore Prog. Rept. Progress Report. Institute of Plant Industry. Indore.

Inst. Sewage Purif. Ann. Gen. Meetg. Institute of Sewage Purification. Annual General Meeting. London.

Inst. Sewage Purif. Ann. Summer Meetg. The Institute of Sewage Purification. Annual Summer Meeting. Hampton-on-Thames. Mddx.

Inst. Sewage Purif., S. Afric. Br. (Mimeo). Institute of Sewage Purification, South Africa Branch. Mimeograph. London.

Int. Bull. Plant Prot. International Bulletin of Plant Protection. Rome.

Int. Rev. Agric. International Review of Agriculture. Rome.

Int. Sug. J. International Sugar Journal. London.

Intersylva. (Biol.Abs.)

Iodine Facts. Iodine Educational Bureau. London.

Iowa Agric. Expt. Sta. Bull. Agricultural Experiment Station. Iowa State College of Agriculture and Mechanic Arts. Bulletin. Ames, Iowa.

Iowa Agric. Expt. Sta. Rept. Agricultural Experiment Station. Iowa State College of Agriculture and Mechanic Arts. Report on Agricultural Research. I. Project Reports. II. Iowa Corn Research Institute. Annual Report. Ames, Iowa.

Iowa Agric. Expt. Sta. Res. Bull. Agricultural Experiment Station. Iowa State College of Agriculture and Mechanic Arts. Research Bulletin. Ames, Ia.

Iowa St. Coll. J. Sci. Iowa State College of Agriculture and Mechanic Arts. Journal of Science. Ames, Ia.

Iowa St. Hort. Soc. Rept. Iowa State Horticultural Society. Report. Des Moines, Ia.

Irish Forest. Irish Forester.

Ist. Agr. Scandicci. Istituto Agrario di Scandicci. Florence.

Ist. Sper. Chim. Agrar. Torino Ann. R. Istituto di Sperimentazione per la Chimica Agraria in Torino. Annuario. Turin.

Ital. Agric. L'Italia Agricola. Rome.

Ital. Forest. Mont. L'Italia Forestale e Montana. Florence, Italy.

J.A.S.T. Quart. (C.A.)

J. Agric. Assoc. China. Journal of the Agricultural Association of China. Nanking.

J. Agric. Res. Journal of Agricultural Research. Washington, D.C.

J. Agric. Sci. Journal of Agricultural Science. London.

J. Agric. Univ. P.R. Journal of Agriculture of the University of Puerto Rico. Río Piedras.

J. Agric. W. Aust. Journal of Agriculture of Western Australia. Perth, W. Australia.

J. Ala. Acad. Sci. Journal of the Alabama Academy of Science. University of Alabama.

J. Amer. Ceram. Soc. Journal of the American Ceramic Society. Columbus, Ohio.

J. Amer. Chem. Soc. Journal of the American Chemical Society. Washington, D.C.

J. Amer. Leath. Chem. Assoc. The Journal of the American Leather Chemists' Association. New York.

J. Amer. Pharm. Assoc. Journal of the American Pharmaceutical Association. Washington, D. C.

J. Amer. Soc. Agron. Journal of the American Society of Agronomy. Geneva, N.Y.

J. Amer. Vet. Med. Assoc. Journal of the American Veterinary Medical Association. Chicago, Ill.

J. Amer. Water Works Assoc. Journal of the American Water Works Association. New York.

J. Anim. Ecol. Journal of Animal Ecology. London.

J. Assoc. Off. Agric. Chem. Journal of the Association of Official Agricultural Chemists. Washington, D.C.

J. Aust. Inst. Agric. Sci. The Journal of the Australian Institute of Agricultural Science. Sydney.

J. Bact. Journal of Bacteriology. Baltimore, Md.

J. Biol. Chem. The Journal of Biological Chemistry. Baltimore, Md.

J. Bot. U.S.S.R. Journal Botanique de l'U.R.S.S. (*See* Bot. Zh. S.S.S.R.) Leningrad.

J. Brit. Grassland Soc. Journal of the British Grassland Society. Aberystwyth.

J. Ceylon Assoc. Sci. Journal of the Ceylon Association of Science.

J. Chem. Soc. Japan. Journal of the Chemical Society of Japan. Tokyo.

J. Chinese Chem. Soc. Journal of the Chinese Chemical Society. Peiping.

J. Coll. Sci. Journal of Colloid Science. New York.

J. Counc. Sci. Indust. Res. Journal of the Council for Scientific and Industrial Research, Australia. Melbourne.

J. Dept. Agric. S. Aust. Journal of the Department of Agriculture of South Australia. Adelaide.

J. Dept. Agric. Victoria. Journal of the Department of Agriculture of Victoria. Melbourne.

J. Dept. Agric. W. Aust. Journal of the Department of Agriculture of Western Australia. Perth.

J. Ecol. Journal of Ecology. London.

J. Econ. Ent. Journal of Economic Entomology. Menasha, Wis.

J. Expt. Biol. The Journal of Experimental Biology. Cambridge.

J. Farm. Club. Journal of the Farmers' Club. London.

J. Farm. Econ. Journal of Farm Economics. Menasha, Wis.

J. Forestry. Journal of Forestry. Washington, D. C.

J. Franklin Inst. Journal of the Franklin Institute. Lancaster, Pa.

J. Gen. Microbiol. Journal of General Microbiology. London.

J. Geog. Journal of Geography. Lancaster, Pa.

J. Geol. Journal of Geology. Chicago.

J. Inc. Brew. Guild. Journal of the Incorporated Brewers' Guild. London.

J. Indian Chem. Soc. Indust. Ed. Journal of the Indian Chemical Society. Industrial and News Edition. Calcutta.

J. Indian Chem. Soc. Journal of the Indian Chemical Society. Calcutta.

J. Indian Inst. Sci. Journal of the Indian Institute of Science. Bangalore.

J. Inst. Brew. Journal of the Institute of Brewing. London.

J. Inst. Corn Agric. Merchants. Journal of the Institute of Corn and Agricultural Merchants Limited. London.

J. Inst. Petrol. Journal of the Institute of Petroleum. London.

J. Iron Steel Inst. Journal of the Iron and Steel Institute. London.

J. Jamaica Agric. Soc. Journal of the Jamaica Agricultural Society. Kingston.

J. Landw. Journal für Landwirtschaft. Berlin.

J. Min. Agric. The Journal of the Ministry of Agriculture and Fisheries. (*Now* Agriculture). London.

J. Mysore Agric. Expt. Un. Journal of the Mysore Agricultural and Experimental Union. Bangalore.

J. Nutr. The Journal of Nutrition. Philadelphia, Pa.

J. N.Y. Bot. Gdn. Journal of the New York Botanical Garden. New York.

J. Opt. Soc. Amer. Journal of the Optical Society of America. New York.

J. Phys. Chem. Journal of Physical Chemistry. Baltimore, Md.

J. Phys. Colloid Chem. Journal of Physical and Colloid Chemistry. Baltimore, Md.

J. Pomol. Journal of Pomology and Horticultural Science. London.

J. Res. Natl. Bur. Stand. Journal of Research of the National Bureau of Standards. Washington, D.C.

J. Roy. Agric. Soc. England. Journal of the Royal Agricultural Society of England. London.

J. Roy. Hort. Soc. Journal of the Royal Horticultural Society. London.

J. Roy. Soc. Arts. Journal of the Royal Society of Arts. London.

J. Roy. Statist. Soc. Journal of the Royal Statistical Society. London.

J. S. Afric. Forestry Assoc. Journal of the South African Forestry Association. Pretoria.

J. Sci. Indust. Res. (India). Journal of Scientific and Industrial Research (India). New Delhi.

J. Sci. Instrum. Journal of Scientific Instruments. London.

J. Sediment. Petrol. Journal of Sedimentary Petrology. Tulsa, Okla.

J. Soc. Chem. Indust. Journal of the Society of Chemical Industry. London.

J. Soil Conserv. Serv. N.S.W. The Journal of the Soil Conservation Service of New South Wales. Sydney.

J. Soil Water Conserv. Journal of Soil and Water Conservation. Fairmont, W. Virginia.

J. Univ. Bombay. Journal of the University of Bombay. Bombay.

J. W. China Border Res. Soc. Journal of the West China Border Research Society. Chengtu.

J. Wildlife Mgmt. Journal of Wildlife Management. Menasha, Wis.

Jaarb. Alg. Bond Oud-Leerl. Middel. LandbouwOnderw. Jaarboek van den Algemeenen Bond van Oud-Leerlingen voor Middelbaar Landbouwonderwijs.

Jahrb. Reichs. Bodenforsch. Jahrbuch des Reichsamts für Bodenforschung. Berlin.

Jamaica Dept. Sci. Agric. Rept. Agric. Chem. Div. Department of Science and Agriculture, Jamaica. Report of the Agricultural Chemist's Division. Jamaica.

Jamaican Assoc. Sug. Tech. Quart. The Jamaican Association of Sugar Technologists. Quarterly. Kingston.

Jealott's Hill Res. Sta. Bull. Jealott's Hill Research Station. Bulletin. Bracknell, Berks.

John Innes Bull. John Innes Horticultural Institution. Bulletin. Merton, Surrey.

John Innes Rept. John Innes Horticultural Institution. Report. Merton and Hertford.

Kans. Agric. Expt. Sta. Bull. Agricultural Experiment Station. Kansas State College of Agriculture and Applied Science. Bulletin. Manhattan, Kans.

Kans. Agric. Expt. Sta. Rept. Agricultural Experiment Station. Kansas State College of Agriculture and Applied Science. Report. Manhattan, Kans.

Kent Farm. J. Kent Farmers' Journal. Maidstone.

Kenya Dept. Agric. Rept. Kenya Department of Agriculture. Annual Report. Nairobi.

Kew Bull. Royal Botanical Gardens, Kew. Bulletin of Miscellaneous Information. H.M.S.O. London.

Kgl. LantbrAkad. Handl. Tidskr. Kungliga Landtbruksakademiens Handlingar och Tidskrift. (*Now* Kungliga Landtbruksakademiens Tidskrift.) Stockholm.

Kgl. LandbrAkad. Tidskr. Kungliga Landtbruksakademiens Tidskrift. (*Formerly* Kungliga Landtbruksakademiens Handlingar och Tidskrift.) Stockholm.

Kgl. LantbrHögsk. Ann. Kungliga Lantbrukshögskolans Annaler. (*Formerly* Lantbrukshögskolans Annaler.) (Annals of the Royal Agricultural College of Sweden.) Uppsala.

Kgl. Vet. Landbohøjsk. Aarsskr. (*Formerly* Kgl. Vet. LandHøjsk. Aarsskr.) Kongelige Veterinær og Landbohøjskoles Aarsskrift. Copenhagen.

Kgl. Vet. LandHøjsk. Aarsskr. (*Now* Kgl. Vet. Landbohøjsk. Aarsskr.) Kongelige Veterinær og Landbohøjskoles Aarsskrift. Copenhagen.

Khim. Sotsial. Zemled. Khimizatsia Sotsialisticheskogo Zemledelia (Chemisation of Socialistic Agriculture). Moscow.

King-ling Univ. Agric. Coll. Spec. Pub. King-ling University Agricultural College Special Publication.

Kirton Agric. J. Kirton Agricultural Journal. Kirton, Lincs.

Kisérl. Közlem. Kisérletügyi Közlemeńyek (Reports of the Hungarian Agricultural Experiment Stations). Budapest.

Kolkhoz. Proizvod. Kolkhoznoe Proizvodstvo. Moscow.

Kolloid-Beih. Kolloid-Beihefte. Ergänzungshefte zur Kolloid-Zeitschrift. Dresden.

Kolloid. Zh. Kolloidny Zhurnal. Zhurnal Teoreticheskoi i Prikladnoi Khimii i Fiziki (Colloid Journal. The Journal of Theoretical and Applied Chemistry). Voronezh.

Kolloid-Ztschr. Kolloid-Zeitschrift. Zeitschrift für Wissenschaftliche und Technische Kolloidchemie. Dresden.

Kühn-Archiv. Kühn-Archiv. Arbeiten aus dem Landwirtschaftlichen Institut der Universität Halle. Halle a.d. Saale.

Kwangsi Agric. Kwangsi Agriculture.

Ky. Agric. Expt. Sta. Bull. Kentucky Agricultural Experiment Station. Bulletin. Lexington, Ky.

Ky. Agric. Expt. Sta. Rept. Kentucky Agricultural Experiment Station. Annual Report. Lexington, Ky.

La. Agric. Expt. Sta. Bull. Louisiana State University and Agricultural and Mechanical College. Agricultural Experiment Station. Bulletin. Baton Rouge, La.

Lake States Forest Expt. Sta. Tech. Notes. Lake States Forest Experiment Station. Technical Notes. University Farm, St. Paul, Minn.

Land Policy Rev. The Land Policy Review. Washington, D.C.

Landb. u. Tech. Landbau und Technik. Berlin.

Landbouw. Buitenzorg.

Landbouwk. Tijdschr. Landbouwkundig Tijdschrift. Wageningen.

Landbouwvoorlichtingsdienst. Meded. Mededeelingen van den Landbouwvoorlichtingsdienst. Buitenzorg.

Landenberg Lab. Publication of the Landenberg Laboratory. Landenberg, Pa.

Landw. Jahrb. Landwirtschaftliche Jahrbücher. Berlin.

Landw. Jahrb. Schweiz. Landwirtschaftliches Jahrbuch der Schweiz. Bern.

Landw. VersAnst. Zürich Flugbl. Eidgenössische Landwirtschaftliche Versuchsanstalt. Flugblatt. Zurich-Oerliken.

LantbrHögsk. Ann. Lantbrukshögskolans Annaler. (*Now* Kungliga Lantbrukshögskolans Annaler). Uppsala.

LantbrHögsk. Baljväxtlab. Medd. Lantbrukshögskolans Baljväxtlaboratorium Meddelandet. (Transactions of the Legume Laboratory of the Agricultural College.) Stockholm.

LantbrHögsk. Jordbr-Försöksanst. Medd. Lantbrukshögskolen Jordbruksförsöksanstalten Meddelande. Norrtälje, Sweden.

Lantbruksveckan. Utgiven av Styrelsen for Stiftelsen Svenska Lantbruksveckan. Redigerad av Lantbruksveckans Byrå. Stockholm.

Lantm. Svenskt Land. Lantmannen, Svenskt Land. Tidskrift for Lantmän. Stockholm.

Lesnická Práce. (Oeuvre Forestière.) Pisek, Czechoslovakia.

Lesnoe Khoz. Lesnoe Khoziastvo i Lesoeksploatatsia (Forest Husbandry and Forest Utilization.) Leningrad.

Lighter. Ottawa.

Line Elevators Farm Serv. Bull. Line Elevators Farm Service Bulletin. Winnipeg.

Line Elevators Farm Serv. Winnipeg Circ. Line Elevators Farm Service. Circular. Winnipeg.

Lloydia. Cincinnati, Ohio.

Long Ashton Agric. Hort. Res. Sta. Rept. The Annual Report of the Agricultural and Horticultural Research Station (The National Fruit and Cider Institute). Long Ashton, Bristol.

Maan Suola. Helsinki.

Maat. Aikak. Maataloustieteellinen Aikakauskirja (Journal of the Scientific Agricultural Society of Finland). Helsinki.

Maatalouskoelaitos. Maatutkimusosasto. Maatalouskoelaitoksen Maatutkimusosasto (Agrogeologisia Julkaisuja). (Soil Division of the Central Agricultural Experiment Station of Finland). Helsinki.

Mach. Agric. Machinisme Agricole et Équipment Rural. Revue Mensuelle. Paris.

Machin. Agric. Machine Agricole. Amiens.

Madras Agric. J. Madras Agricultural Journal. Coimbatore.

Mang. Res. Developm. Found. Ohio. Manganese Research and Development Foundation. Cleveland, Ohio.

Manitoba Dept. Agric. Pub. Manitoba Department of Agriculture and Immigration. Publication. Winnipeg.

Manx. J. Agric. The Manx Journal of Agriculture. Douglas, I. of Man.

Mass. Agric. Expt. Sta. Bull. Massachusetts Agricultural Experiment Station. Bulletin. Amherst, Mass.

Mauritius Dept. Agric. Rept. Colony of Mauritius Department of Agriculture. Annual Report. Port Louis, Mauritius.

Mauritius Dept. Agric. Rept. Sugarcane Res. Sta. Mauritius Department of Agriculture Sugarcane Research Station. Annual Report. Port Louis, Mauritius.

Md. Agric. Expt. Sta. Rept. Maryland Agricultural Experiment Station. Annual Report. College Park, Md.

Me. Agric. Expt. Sta. Bull. Maine Agricultural Experiment Station. Bulletin. Orono, Me.

Mech. Engng. Mechanical Engineering. New York.

Medd. JordbrTek. Fören. Meddelanda fran Jordbrukstekniska Föreningen. Uppsala.

Medd. Norske Myrselsk. Meddelelser fra det Norske Myrselskab. Oslo.

Medd. SkögsförskInst. Meddelanden från Statens Skögsforskningsinstitut. (*Formerly* Meddelanden från Statens Skogsförsöksanstalt). Reports of the Forest Research Institute of Sweden). Stockholm.

Medd. Skogsförsöksanst. Meddelanden från Statens Skogsförsöksanstalt. (*Now* Meddelanden från Statens Skögsförskningssinstitut). (Reports of the Swedish Institute of Experimental Forestry). Stockholm.

Medd. Växtskyddanst. Stockh. Meddelanden. Statens Växtskyddsanstalt. Stockholm.

Meded. Bot. Lab. Utrecht. Mededeelingen van het Botanisch Laboratorium. Utrecht.

Meded. Direct. Tuinb. Mededeelingen Directeur van den Tuinbouw. The Hague.

Meded. Insp. Tuinb. Mededeelingen van den Inspecteur van den Tuinbouw en het Tuinbouwonderwijs. Wageningen.

Meded. Inst. Ration. Suikerprod. Mededeelingen van het Instituut voor Rationeele Suikerproduktie. (*Formerly* Meded. Inst. Suikerbiet.) Bergen-op-Zoom.

Meded. Inst. Suikerbiet. Mededeelingen van het Instituut voor Suikerbietenteelt. (*Now* Mededeelingen van het Instituut voor Rationeele Suikerproduktie). Bergen-op-Zoom.

Meded. Kolon. Inst. Amsterdam. Mededeelingen van het Koloniaal Instituut te Amsterdam.

Meded. Konink. Vereen. Indisch. Inst. Koninklijke Vereeniging Indisch Instituut. (*Formerly* Koloniaal Instituut.) Mededeeling. Amsterdam.

Meded. LandbHoogesch. Opzoekingsста. Gent. Mededeelingen der Landbouw-Hoogeschool en der Opzoekingsstations van der Staat te Gent. Ghent.

Meded. LandbHoogesch. Wageningen. Mededeelingen van de Landbouwhoogeschool. Wageningen.

Meded. LandbVoorlDienst. Mededeelingen van den Landbouwvoorlichtingsdienst. Buitenzorg.

Meded. Tuinb. VoorlDienst. Mededeelingen van den Tuinbouw-Voorlichtingsdienst. The Hague.

Meld. Norg. LandbrHøgsk. Meldinger fra Norges Landbrukshøgskole (Scientific Reports from the Agricultural College of Norway). Ås, Norway.

Meld. Stat. Forsøksgard Grønsakdyrking. Kvithamar. Melding frå Statens Forsøksgard i Grønsakdyrking, Kvithamar. Grøndahl, Oslo.

Mem. Assoc. Tec. Azucar. Cuba. Memoria de la Conferencia Anual, Asociación de Técnicos Azucareros de Cuba. Havana.

Mem. Inst. Français Afrique Noire. (Biol. Abs.)

Météorologie. La Météorologie. Paris.

Méx. For. México Forestal. Mexico.

Mezőg. Kutat. Mezögazdasági Kutatások (Agricultural Researches). Budapest.

Mich. Agric. Expt. Sta. Circ. Bull. Michigan Agricultural Experiment Station. Circular Bulletin. East Lansing, Mich.

Mich. Agric. Expt. Sta. Quart. Bull. Michigan Agricultural Experiment Station. Quarterly Bulletin. East Lansing, Mich.

Mich. Agric. Expt. Sta. Spec. Bull. Michigan Agricultural Experiment Station. Special Bulletin. East Lansing, Mich.

Mich. Agric. Expt. Sta. Tech. Bull. Michigan Agricultural Experiment Station. Technical Bulletin. East Lansing, Mich.

Mikrobiol. Zh. Mikrobiologichny Zhurnal (Microbiological Journal). Kiev.

Mikrobiologia. (Microbiology). Moscow.

Mikrochem. Mikrochemie. Vienna.

Milit. Govt. Somaliland Protectorate. Military Government. Somaliland Protectorate.

Min. Agr. Mem. Inst. Quim. Agr. (Rio de J.). Ministerio de Agricultura. Instituto de Quimica Agricola. Memória. Rio de Ianeiro.

Min. Agric. Advis. Leafl. Ministry of Agriculture and Fisheries. Advisory Leaflet. London.

Min. Agric. Bolivia Dir. Gen. Meteorol. Ministerio de Agricultura, Bolivia, Dirección General de Meteorologia.

Min. Agric. Bull. Ministry of Agriculture and Fisheries. Bulletin. London.

Min. Agric. Egypt. Chem. Sect. Bull. Ministry of Agriculture, Egypt. Chemical Section Bulletin. Cairo.

Min. Agric. France. Ministère de l'Agriculture. Paris.

Min. Ganad. Agric. Uruguay Dir. Agron. Ministerio de Ganaderia y Agricultura. Direccion de Agronomia. Montevideo.

Miner. Mag. The Mineralogical Magazine and Journal of the Mineralogical Society. London.

Minn. Agric. Expt. Sta. Bull. Minnesota Agricultural Experiment Station. Bulletin. St. Paul.

Minn. Agric. Expt. Sta. Tech. Bull. Minnesota Agricultural Experiment Station. Technical Bulletin. St. Paul.

Minn. Farm Home Sci. Minnesota Farm and Home Science. Minnesota Agricultural Experiment Station. St. Paul.

Miss. Agric. Expt. Sta. Bull. Mississippi Agricultural Experiment Station. Bulletin. State College, Miss.

Miss. Agric. Expt. Sta. Circ. Mississippi Agricultural Experiment Station. Circular. State College, Miss.

Miss. Agric. Expt. Sta. Inf. Sheet. Mississippi Agricultural Experiment Station. Information Sheet. State College, Miss.

Miss. Agric. Expt. Sta. Service Sheet. Mississippi Agricultural Experiment Station. Service Sheet. State College, Miss.

Miss. Farm Res. Mississippi Farm Research. State College, Miss.

Missouri Agric. Expt. Sta. Bull. Missouri Agricultural Experiment Station. Bulletin. Columbia, Mo.

Missouri Agric. Expt. Sta. Circ. Missouri Agricultural Experiment Station. Circular. Columbia, Mo.

Missouri Agric. Expt. Sta. Res. Bull. Missouri Agricultural Experiment Station. Research Bulletin. Columbia, Mo.

Mitt. Landw. Mitteilungen der Landwirtschaft. Berlin.

Mitt. Lebensm. Hyg. Mitteilungen aus dem Gebiet der Lebensmitteluntersuchung und Hygiene. Bern.

Mitt. Reichinst. Ausländ. Koloniale Forstwirt. Mitteilungen des Reichinstituts fur Ausländische Koloniale Forstwirtschaft.

Mitt. Schweiz. Anst. Forstl. Versuchsw. Mitteilungen der Schweizerischen Anstalt für das Forstliche Versuchswesen. Zurich.

Mo. Bull. Agric. Sci. Pract. Monthly Bulletin of Agricultural Science and Practice. Rome.

Mo. Crop. Rept. Agric. Stat. Monthly Crop Report and Agricultural Statistics. Rome.

Mod. Fmg. Modern Farming. London.

Monog. Sta. Lab. Rech. Agron. Monographics publiées par les Stations et Laboratoires de Recherches Agronomiques. Paris.

Mont. Agric. Expt. Sta. Bull. Montana State College. Agricultural Experiment Station. Bulletin. Bozeman, Mont.

Mont. Agric. Expt. Sta. War Circ. Montana State College. Agricultural Experiment Station. War Circular. Bozeman, Mont.

Montes, Madrid. Madrid.

Mycologia. Lancaster, Pa.

N.C. Agric. Expt. Sta. Agron. Inf. Circ. The Agricultural Experiment Station of the North Carolina State College of Agriculture and Engineering. Agronomy Information Circular. Raleigh, N.C.

N.C. Agric. Expt. Sta. Bull. The Agricultural Experiment Station of the North Carolina State College of Agriculture and Engineering. Bulletin. Raleigh, N.C.

N.C. Agric. Expt. Sta. Rept. The Agricultural Experiment Station of the North Carolina State College of Agriculture and Engineering. Annual Report. Raleigh, N.C.

N.C. Agric. Expt. Sta. Tech. Bull. The Agricultural Experiment Station of the North Carolina State College of Agriculture and Engineering. Technical Bulletin. Raleigh, N.C.

N. Dak. Agric. Expt. Sta. Bimo. Bull. North Dakota Agricultural Experiment Station. Bimonthly Bulletin. Fargo, N. Dak.

N. Dak. Agric. Expt. Sta. Bull. North Dakota Agricultural Experiment Station. Bulletin. Fargo, N. Dak.

N. Dak. Hist. Quart. (Biol. Abs.)

N.-E. Wood Util. Counc. Bull. Northeastern Wood Utilization Council. Bulletin. New Haven, Conn.

N.H. Agric. Expt. Sta. Bull. New Hampshire Agricultural Experiment Station. Bulletin. Durham, N.H.

N.H. Agric. Expt. Sta. Rept. New Hampshire Agricultural Experiment Station. Annual Report. Durham, N.H.

N.H. Agric. Expt. Sta. Tech. Bull. New Hampshire Agricultural Experiment Station. Technical Bulletin. Durham, N.H.

N. Ireland Min. Agric. Mo. Rept. Government of Northern Ireland Ministry of Agriculture. Monthly Report. Belfast.

N. J. Agric. New Jersey Agriculture. New Brunswick, N.J.

N.J. Agric. Expt. Sta. Bull. New Jersey Agricultural Experiment Station. Bulletin. New Brunswick, N.J.

N.J. Agric. Expt. Sta. Circ. New Jersey Agricultural Experiment Station. Circular. New Brunswick, N.J.

N.J. St. Coll. Agric. Ext. Bull. New Jersey State College of Agriculture. Extension Bulletin. Rutgers University, New Brunswick, N.J.

N. Mex. Agric. Expt. Sta. Bull. Agricultural Experiment Station. New Mexico College of Agriculture and Mechanic Art. Bulletin. State College, N. Mex.

N. Mex. Agric. Expt. Sta. Press Bull. Agricultural Experiment Station. New Mexico College of Agriculture and Mechanic Art. Press Bulletin. State College, N. Mex.

N.-W. Front. Prov. Agric. Dept. Rept. North-West Frontier Province Agricultural Department. Annual Report. Peshawar.

N.-W. Miller. North-Western Miller. Minneapolis.

N.-W. Sci. North - West Science. Cheney, Wash.

N.Y. St. Agric. Expt. Sta. Bull. New York State Agricultural Experiment Station. Bulletin. Geneva, N.Y.

N.Y. St. Agric. Expt. Sta. Rept. New York State Agricultural Experiment Station. Annual Report. Geneva, N.Y.

N.Z. Dept. Agric. Rept. New Zealand Department of Agriculture. Annual Report. Wellington.

N.Z. Dept. Sci. Indust. Res. Bull. New Zealand Department of Scientific and Industrial Research. Bulletin. Wellington.

N.Z. Dept. Sci. Indust. Res. Rept. New Zealand Department of Scientific and Industrial Research. Annual Report. Wellington.

N.Z. J. Agric. New Zealand Journal of Agriculture. Wellington.

N.Z. J. Forestry. New Zealand Journal of Forestry. Wellington.

N.Z. J. Sci. Tech. New Zealand Journal of Science and Technology. Wellington.

N.Z. Met. Serv. New Zealand Meteorological Service. Wellington.

N.Z. Soil Conserv. Rivers Contr. Counc. Bull. New Zealand Soil Conservation and Rivers Control Council. Bulletin. Wellington.

Natl. Agric. Res. Bur. China Spec. Pub. The National Agricultural Research Bureau. Ministry of Agriculture and Forestry. Special Publication. Chungking, China.

Natl. Assoc. Hellenes in Great Britain. National Association of the Hellenes in Great Britain.

Natl. Geog. Mag. National Geographical Magazine. Washington.

Natl. Geol. Surv. China Soil Bull. The National Geological Survey of China. Soil Bulletin. Peking.

Natl. Geol. Surv. China Spec. Soils Pub. The National Geological Survey of China. Special Soils Publication. Peking.

Natl. Inst. Agric. Engng. National Institute of Agricultural Engineering. Silsoe, Beds.

Nature. London.

Naturwissenschaften. Die Naturwissenschaften. Berlin.

Neb. Agric. Expt. Sta. Bull. Nebraska Agricultural Experiment Station. Bulletin. Lincoln, Neb.

Neb. Agric. Expt. Sta. Rept. Nebraska Agricultural Experiment Station. Annual Report. Lincoln, Neb.

Neb. Agric. Expt. Sta. Res. Bull. Nebraska Agricultural Experiment Station. Research Bulletin. Lincoln, Neb.

Ned. Heide Maatsch. Nederlandsche Heidemaatschappij. Arnhem.

Ned. Kruidk. Arch. Nederlandsch Kruidkundig Archief. Leyden.

Ned. Uien-Fed. Middelharnis. Nederlandsche Uien-Federatie (Netherlands Onion Association). Middelharnis.

Neues Jahrb. Min. Geol. Neues Jahrbuch für Mineralogie, Geologie und Paläontologie. Stuttgart.

Nev. Agric. Expt. Sta. Bull. Nevada Agricultural Experiment Station. Bulletin. Reno.

New Phytol. New Phytologist. Cambridge.

Nigeria Agric. Dept. Rept. Nigeria Agricultural Department. Annual Report. Lagos.

Nord. JordbrForsk. Nordisk Jordbrugsforskning. Copenhagen.

Norden. Tidsskrift for Landbruket-og dets Binaeringer i Troms Stift. Norden.

Norrlands Skogsvårdsförbunds Förlag. Stockholm.

Norsk Geol. Tidsskr. Norsk Geologisk Tidsskrift. Oslo.

Norsk Landbr. Norsk Landbruk. Oslo.

Norsk VetTidsskr. Norsk Veterinaertidsskrift. Oslo.

Notes Farm. Notes for Farmers. Issued by Department of Agriculture for Scotland. Edinburgh.

Novia Scotia Fruit Grow. Assoc. Rept. Nova Scotia Fruit Growers Association. Annual Report. Lawrence Town, Nova Scotia.

Nuovo G. Bot. Ital. Nuovo giornale botanico italiano (e Bolletino della Società botanica italiana). Firenze.

Nutr. Abs. Nutrition Abstracts and Reviews. Commonwealth Bureau of Animal Nutrition, The Reid Library, Rowett Institute. Aberdeen.

Nutr. Bull. Nutrition Bulletin. (China). Chengtu.

Nyasaland Agric. Quart. J. The Nyasaland Agricultural Quarterly Journal. Blantyre.

Nyasaland Dept. Agric. Rept. Nyasaland Department of Agriculture. Report. Zomba.

Obst- u. Gem.-Verwert. Obst- und Gemüse-Verwertungsindustrie. Braunschweig.

Ohio Agric. Expt. Sta. Agron. Mimeo. Ohio Agricultural Experiment Station. Agronomy Mimeograph. Wooster, Ohio.

Ohio Agric. Expt. Sta. Bimo. Bull. Ohio Agricultural Experiment Station. Bimonthly Bulletin. Wooster, Ohio.

Ohio Agric. Expt. Sta. Bull. Ohio Agricultural Experiment Station. Bulletin. Wooster, Ohio.

Ohio Agric. Expt. Sta. Spec. Circ. Ohio Agricultural Experiment Station. Special Circular. Wooster, Ohio.

Ohio J. Sci. Ohio Journal of Science. Columbus, Ohio.

Ohio St. Univ. Abs. Doct. Diss. Ohio State University. Abstracts of Doctoral Dissertations. Columbus, Ohio.

Okla. Agric. Expt. Sta. Bull. Oklahoma Agricultural Experiment Station. Bulletin. Stillwater, Okla.

Okla. Agric. Expt. Sta. Rept. Oklahoma Agricultural Experiment Station. Report. Stillwater, Okla.

Okla. Agric. Expt. Sta. Tech. Bull. Oklahoma Agricultural Experiment Station. Technical Bulletin. Stillwater, Okla.

Okla., Ga., Miss., S.C., Va. (Truck) Agric. Expt. Stas. S. Coop. Ser. Bull. Oklahoma, Georgia, Mississippi, South Carolina, Virginia (Truck) Agricultural Experiment Stations. Southern Cooperative Service Bulletin.

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Ontario Dept. Agric. Bull. Ontario Department of Agriculture. Bulletin. Toronto.

Ontario Soil Survey Report. Ottawa.

Opyt. Agron. Opytnaia Agronomia. Moscow.

Orchard. N. Z. Orchardists of New Zealand. Wellington.

Oreg. Agric. Expt. Sta. Bull. Agricultural Experiment Station. Oregon State Agricultural College. Bulletin. Corvallis, Oreg.

Oreg. Agric. Expt. Sta. Circ. Agricultural Experiment Station. Oregon State Agricultural College. Circular. Corvallis, Oreg.

Oreg. Agric. Expt. Sta. Tech. Bull. Oregon Agricultural Experiment Station. Technical Bulletin. Corvallis, Oreg.

Osaka Munic. Res. Inst. Domest. Sci. Rept. Osaka Municipal Research Institute. Domestic Science Report. Osaka.

Österreich. Bot. Ztschr. Österreichische Botanische Zeitschrift. Wien.

Ovoshchevodstvo. (Vegetable Culture.) (*Merged with* Sadovodstvo to form Sady i Ogorody.) Moscow.

Oxford For. Mems. Oxford Forestry Memoirs. Oxford.

P.R. Agric. Expt. Sta. Bull. Puerto Rico Agricultural Experiment Station. Bulletin. Rio Piedras, P.R.

P.R. Agric. Expt. Sta. Circ. Puerto Rico Agricultural Experiment Station. Circular. Rio Piedras, P.R.

P.R. Agric. Expt. Sta. Rept. Puerto Rico Agricultural Experiment Station. Annual Report. Rio Piedras, P.R.

P.R. Inst. Trop. Agric. Rept. Puerto Rico Institute of Tropical Agriculture. Annual Report.

Pa. Agric. Expt. Sta. Bull. Pennsylvania Agricultural Experiment Station. Bulletin. State College, Pa.

Pa. St. Coll. Agric. Rept. Pennsylvania State College of Agriculture. Annual Report. State College, Pa.

Pa. St. Hort. Assoc. News. Pennsylvania State Horticultural Association News. State College, Pa.

Pacific Coast Nurseryman. (Pacific Coast Association of Nurserymen). Portland, Oreg.

Pacific Pulp Paper Indust. Pacific Pulp and Paper Industry. Seattle, Wash.

Pacific Sci. Pacific Science. Honolulu.

Palestine J. Bot. Palestine Journal of Botany [(*J*) Jerusalem series; (*R*) Rehovoth series]. Jerusalem.

Palestine Soil Conserv. Bd. Bull. Government of Palestine Soil Conservation Board. Bulletin. Jerusalem.

Pam. Zakład. Bad. Drzew. Kórnik. Pamietnik Zakladu Badania Drzew i Lasu, Wkórniku. [Diary of the Trees and Forest Research Institute, Kórnik]. Kornik.

Paper Tr. J. Paper Trade Journal. New York and Chicago.

Parasitica. Gembloux, Belgium.

Pedology. Pedology (Pochvovedenie). Moscow.

Pflanzenbau. Pflanzenbau. Monatsschrift für den Gesamten Acker- und Pflanzenbau und das Pflanzenbauliche Versuchswesen. Leipzig.

Phil. Mag. London, Edinburgh, and Dublin Philosophical Magazine and Journal of Science. London.

Phosphorsäure. Die Phosphorsäure. Berlin.

Photogrammetric Engng. (E.S.R.)

Phys. Abs. Science Abstracts. Section A. Physics Abstracts. London.

Physiol. Rev. Physiological Reviews. Baltimore, Md.

Physis, B. Aires. Physis. Revista de la Sociedad Argentina de Ciencias Naturales. Buenos Aires.

Phytopath. Phytopathology. Lancaster, Pa.

Phytopath. Ztschr. Phytopathologische Zeitschrift. Berlin.

Pishchev. Prom. Pishchevaia Promyshlennost (Food Industry). Moscow.

Plant. Chron. Planters' Chronicle. Coonoor, Coimbatore, Madras.

Plant Dis. Reptr. Plant Disease Reporter. Washington, D.C.

Plant Physiol. Plant Physiology. Lancaster, Pa.

Planta. Archiv für Wissenschaftliche Botanik. Berlin.

Poljod. Znan. Smot. Poljodjelska Znanstvena Smotra (Revisio Scientifica Agriculturae). Zagreb.

Potasse. La Potasse. Mulhouse.

Priroda. Priroda (Nature). Leningrad.

Probl. Sovet. Pochvoved. Problemy Sovetskogo Pochvovedenia (Problems of Soviet Soil Science). Moscow-Leningrad.

Proc. Agric. Soc. Trin. Tob. Proceedings of the Agricultural Society of Trinidad and Tobago. Port of Spain.

Proc. Amer. Soc. Hort. Sci. Proceedings of the American Society for Horticultural Science. Geneva, N.Y.

Proc. Amer. Soc. Sug. Beet Tech. Proceedings American Society Sugar Beet Technologists. Longmont, Colo.

Proc. Amer. Tung Oil Assoc. American Tung Oil Association. Proceedings. Pensacola, Fla.

Proc. Ann. Cong. S. Afric. Sug. Tech. Assoc. Proceedings of the Annual Congress of the South African Sugar Technologists' Association. Durban.

Proc. B.W.I. Sug. Tech. Proceedings of the Meeting of British West Indies Sugar Technologists. Trinidad.

Proc. Cocoa Res. Conf. Report and Proceedings of the Cocoa Research Conference. London.

Proc. Fla. Acad. Sci. Proceedings of the Florida Academy of Sciences. Tallahassee, Fla.

Proc. Fla. St. Hort. Soc. Proceedings of the Florida State Horticultural Society. Deland, Fla.

Proc. Helminth. Soc. Wash. Proceedings of the Helminthological Society of Washington, D.C. U.S. Bur. of Plant Industry. Washington, D.C.

Proc. Highw. Res. Bd. Wash. Proceedings of the Highway Research Board, National Research Council, National Academy of Sciences. Washington, D.C.

Proc. Indian Acad. Sci. Proceedings of the Indian Academy of Sciences. Bangalore.

Proc. Indian Sci. Cong. Proceedings of the Indian Science Congress. Abstracts. Calcutta.

Proc. Inst. Brit. Agric. Engrs. Proceedings of the Institution of British Agricultural Engineers. London.

Proc. Inst. Sewage Purif. Proceedings of the Institute of Sewage Purification. Kew Gardens, Surrey.

Proc. Iowa Acad. Sci. Proceedings of the Iowa Academy of Science. Des Moines, Iowa.

Proc. Lenin Acad. Agric. Sci. Proceedings of the Lenin Academy of Agricultural Science. Leningrad.

Proc. Linn. Soc. N.S.W. The Proceedings of the Linnean Society of New South Wales. Sydney.

Proc. Meetg. Sug. Tech. Brit. W. Indies. Proceedings of the Meeting of Sugar Technologists. British West Indies Trinidad.

Proc. N. Central Weed Control Conf. Proceedings of the North Central Weed Control Conference. Des Moines, Iowa.

Proc. N.H. Acad. Sci. Proceedings of the New Hampshire Academy of Sciences.

Proc. Natl. Acad. Sci. India. Proceedings of the National Academy of Sciences, India. Allahabad.

Proc. Natl. Joint Cttee. Fert. Appl. Proceedings of the Annual Meeting of the National Joint Committee on Fertilizer Application. Washington.

Proc. Ned. Akad. Wetensch. Amsterdam. Proceedings of the Nederlandsche Akademie van Wetenschappen. Amsterdam.

Proc. Netherlands Acad. Sci. Proceedings of the Netherlands Academy of Sciences.

Proc. Nutr. Soc. Proceedings of the Nutrition Society. Cambridge.

Proc. Ohio St. Hort. Soc. Proceedings of the Ohio State Horticultural Society. Columbus, Ohio.

Proc. Okla. Acad. Sci. Proceedings of the Oklahoma Academy of Science. Norman, Okla.

Proc. Pa. Acad. Sci. Proceedings of the Pennsylvania Academy of Science. Harrisburg, Pa.

Proc. Queensland Soc. Sug. Cane Tech. Proceedings of the Queensland Society of Sugar Cane Technologists. Brisbane.

Proc. Roy. Inst. Proceedings of the Royal Institution of Great Britain. London.

Proc. Roy. Irish Acad. Proceedings of the Royal Irish Academy. Dublin.

Proc. Roy. Soc. Proceedings of the Royal Society. London.

Proc. Roy. Soc. Victoria. Proceedings of the Royal Society of Victoria. Melbourne.

Proc. S. Afric. Sug. Tech. Assoc. Proceedings of the South African Sugar Technologists' Association. Durban.

Proc. S. Dak. Acad. Sci. Proceedings of the South Dakota Academy of Science. Vermillion, S. Dak.

Proc. Silvicult. Conf. Dehra Dun. Proceedings of the Silvicultural Conference, Dehra Dun. Calcutta.

Proc. Soil Sci. Soc. Amer. Proceedings of the Soil Science Society of America. Morgantown, W. Va.

Proc. Soil Sci. Soc. Fla. Proceedings of the Soil Science Society of Florida. Gainesville, Fla.

Proc. Utah Acad. Sci. Proceedings of the Utah Academy of Sciences, Arts and Letters. Provo, Utah.

Proc. Wash. St. Hort. Assoc. Proceedings of the Annual Meeting of the Washington State Horticultural Association. Pullman, Wash.

Prog. Agric. Vitic. Progrès Agricole et Viticole. Montpellier.

Przeg. Chemicz. Przegląd Chemicznego. Warsaw.

Pub. Centre Natl. Rech. Sci. Publications du Centre National de la Recherche Scientifique. Algiers.

Pub. Inst. Natl. Ét. Agron. Congo Belge Sér. Tech. Publications de l'Institut National pour l'Étude Agronomique du Congo Belge (I.N.É.A.C.). Série Technique. Brussels.

Pubs. Stas. Labs. Rech. Agron. Paris. (C.A.)

Punjab Forest Rec. Punjab Forest Records. Lahore.

Punjab Fruit J. Punjab Fruit Journal.

Punjab Irrig. Res. Inst. Res. Pub. Punjab Irrigation Research Institute. Research Publications. Lahore.

Quart. J. Forestry. Quarterly Journal of Forestry. London.

Quart. J. Roy. Met. Soc. Quarterly Journal of the Royal Meteorological Society. London.

Queensland Agric. J. Queensland Agricultural Journal. Brisbane.

Queensland Bur. Sug. Expt. Stas. Rept. Queensland Bureau of Sugar Experiment Stations. Annual Report. Brisbane.

Queensland J. Agric. Sci. The Queensland Journal of Agricultural Science. Brisbane.

Quím. e Indust. Química e Industria. São Paulo.

Química (Mex). Revista Química. Mexico.

R.A.E. Review of Applied Entomology. Series A: Agricultural. London.

R.A.M. Review of Applied Mycology. Kew, England.

R.I. Agric. Expt. Sta. Bull. Agricultural Experiment Station of the Rhode Island State College. Bulletin. Kingston, R.I.

R.I. Agric. Expt. Sta. Rept. Agricultural Experiment Station of the Rhode Island State College. Annual Report. Kingston, R.I.

Rech. Fert. Stas. Agron. Paris. Recherches sur la Fertilisation Effectuées par les Stations Agronomiques. Rapport annuel. Paris.

Rehovot Agric. Res. Sta. Bull. *See* Palestine J. Bot. (R) from which the Bulletin is usually reprinted.

Rept. Fruit Veg. Pres. Sta. Campden. Annual Report of the Fruit and Vegetable Preservation Research Station, Campden. The University of Bristol. Campden.

Rept. Geol. Soil Surv. Fukien. Annual Report of the Geological Soil Survey of Fukien. Yungan, Fukien.

Rept. Quebec Soc. Prot. Pl. Report of the Quebec Society for the Protection of Plants. Quebec.

Rept. Rothamsted Expt. Sta. Report of the Rothamsted Experimental Station. Harpenden.

Res. and Farm. Research and Farming. Raleigh, N.C.

Rev. Agric. Afr. Nord. Revue Agricole de l'Afrique du Nord. Algiers.

Rev. Agric. Cuba. Revista de Agricultura. Havana, Cuba.

Rev. Agric. Guatemala. Revista Agricola. Guatemala.

Rev. Agric. Haiti. Revue Agricole d'Haiti. Port-au-Prince.

Rev. Agric. Maurice. Revue Agricole de l'Ile Maurice. Port Louis, Mauritius.

Rev. Agric. P.R. Revista de Agricultura de Puerto Rico. San Juan, P.R.

Rev. Agric. Piracicaba. Revista de Agricultura. Piracicaba, Brazil.

Rev. Agric. S. Paulo. Revista de Agricultura. São Paulo.

Rev. Argent. Agron. Revista Argentina de Agronomía. Buenos Aires.

Rev. Bot. Appl. Revue de Botanique Appliquée et d'Agriculture Tropicale. (*Now* Revue Internationale de Botanique Appliquée et d'Agriculture Tropicale). Paris.

Rev. Brasil. Quím. Revista Brasileira de Química (Ciencia & Industria). São Paulo.

Rev. Dep. Nac. Café (D.N.C.) Rio de J. Revista do Departamento Nacional de Café. Rio de Janeiro.

Rev. Eaux et Forêts. Revue des Eaux et Forêts. Paris.

Rev. Fac. Agron. B. Aires. Revista de la Facultad de Agropomia y Veterinaria. Buenos Aires.

Rev. Fac. Agron. Bogotá. Revista de la Facultad de Agronomia Bogotá. Bogotá.

Rev. Fac. Agron. Univ. Montevideo. Revista de la Facultad de Agronomia. Universidad de la Republica. Montevideo.

Rev. Fac. Med. Vet. São Paulo. Revista da Faculdade de Medicina Veterinaira. Universidade de São Paulo.

Rev. Gén. Sci. Revue Générale de Sciences Pures et Appliquées. Paris.

Rev. Geofis. Revista de Geofisica. Madrid.

Rev. Hort. (Paris). Revue Horticole. Paris.

Rev. Hort. Suisse. Revue Horticole et Viticole de la Suisse Romande. Geneva.

Rev. Inst. Def. Café Costa Rica. Revista del Instituto de Defensa del Café del Costa Rica. San José.

Rev. Int. Bot. Appl. Revue Internationale de Botanique Appliquée et d'Agriculture Tropicale. (*Formerly* Revue de Botanique Appliquée et d'Agriculture Tropicale). Paris.

Rev. Int. Prod. Colon. Revue Internationale des Produits Coloniaux. Paris.

Rev. Inter. Indagr. Revue Internationale des Industries Agricoles. Paris.

Rev. Min. Agric. Cuba. Revista. Ministerio de Agricultura, Comercio y Trabajo, Cuba. Havana.

Rev. Vitic. Revue de Viticulture. Paris.

Rhod. Agric. J. Rhodesia Agricultural Journal. Salisbury.

Ric. Ossvz. Divulg. Fitopat. Campania ed Mezzogiorno Portici. Ricerche, osservazioni e divulgazioni fitopathologiche, per la Campania ed il Mezzogiorno. Portici.

Rice J. Rice Journal. New Orleans.

RijkslandbProefsta. Akker- en Weidebouw Groningen. Rijkslandbouwproefstation voor den Akker- en Weidebouw te Groningen. The Hague.

RijkslandbProefsta. Bodemk. Inst. Groningen. Rijkslandbouwproefstation en Bodemkundig Instituut te Groningen. The Hague.

RijkslandbProefsta. Groningen. Rijkslandbouwproefstation, Groningen. The Hague

Riv. Forest. Ital. La Rivista Forestale Italiana. Rome.

Rocz. Nauk Roln. Rocznik Nauk Rolniczych i Lesnych. Posen.

Roy. Inst. Chem. The Royal Institute of Chemistry of Great Britain and Ireland. London.

Rubber Res. Scheme (Ceylon) Adv. Circ. Rubber Research Scheme (Ceylon). Advisory Circular. Colombo.

Rural Educ. Bull. Lincoln Coll. N.Z. Rural Education Bulletin, Lincoln College, New Zealand.

S. Afric. J. Sci. South African Journal of Science. Johannesburg.

S. Afric. Mining Engng. J. The South African Mining and Engineering Journal. Johannesburg.

S. Afric. Sug. J. South African Sugar Journal. Durban.

S. Africa Dept. Agric. Bull. Union of South Africa. Department of Agriculture and Forestry. Bulletin. Pretoria.

S. Africa Dept. Agric. Forestry. Union of South Africa, Department of Agriculture and Forestry. Pretoria.

S. Africa Dept. Agric. Sci. Bull. Union of South Africa. Department of Agriculture and Forestry. Science Bulletin. Pretoria.

S. C. Agric. Expt. Sta. Bull. South Carolina Agricultural Experiment Station. Bulletin. Clemson College, S.C.

S. Coop. Ser. Bull. Southern Cooperative Service Bulletin. Ga. and N.C. Agric. Expt. Stations.

S. Dak. Agric. Expt. Sta. Bull. South Dakota Agricultural Experiment Station. Bulletin. Brookings.

S. Dak. Agric. Expt. Sta. Tech. Bull. South Dakota Agricultural Experiment Station. Technical Bulletin. Brookings.

Sborn. České Akad. Zeměd. Sborník České Akademie Zemědělské. (Annals of the Czech Academy of Agriculture). (*Formerly* Sborník Československé Akademie Zemědělské.) Prague.

Sborn. Čsl. Akad. Zeměd. Sborník Československé Akademie Zemědělské. (Annals of the Czechoslovak Academy of Agriculture.) (*Now* Sborník České Akademie Zémědělské.) Prague.

Sborn. Kl. Přír. Brně. Sbornik Klubu Přírodovédeckého v Brně. Brno.

Sborn. Rab. Agronom. Fiz. Sbornik Rabot po Agronomicheskoe Fiziki. (Collection of Papers on Agronomical Physics.) Moscow.

Sborn. Výzkum. Ústavu Zeměd. Sbornik Výzkumných Ústavu Zemědělskych Republiky Československé. (Recueil de Travaux des Instituts des Recherches Agronomiques de la République Tchècoslovaque.) Prague.

School Sci. Rev. The School Science Review. London.

Schweiz. Landw. Monatsh. Schweizerische Landwirtschaftliche Monatshefte. Bern.

Schweiz. Ztschr. Biochem. Schweizerische Zeitschrift für Biochemie. Bern.

Schweiz. Ztschr. Forstw. Schweizerische Zeitschrift für Forstwesen. Bern.

Schweiz. Ztschr. Obst- u. Weinb. Schweizerische Zeitschrift für Obst- und Weinbau. Wädenswil.

Sci. Agric. Scientific Agriculture. Ottawa.

Sci. Counselor. Science Counselor. Pittsburg, Pa.

Sci. Mo. The Scientific Monthly. New York.

Sci. Prog. Science Progress in the Twentieth Century. London.

Sci. Repts. Imp. Agric. Res. Inst. Science Reports of the Imperial Agricultural Research Institute. New Delhi.

Sci. Serv. Dept. Agric. Ottawa Rept. Science Service, Dominion Department of Agriculture, Ottawa, Report. Ottawa.

Science. Baltimore.

Science and Culture. Calcutta.

Scot. Agric. Scottish Agriculture. (*Formerly* Scottish Journal of Agriculture). Edinburgh.

Scot. Forestry J. Scottish Forestry Journal. Edinburgh.

Scot. Geog. Mag. Scottish Geographical Magazine. Edinburgh.

Scot. J. Agric. Scottish Journal of Agriculture. (*Now* Scottish Agriculture). Edinburgh.

Secretaria da Agric. S. Paulo. Secretaria da Agricultura, Indústria e Comércio do Estado de São Paulo.

Serv. Bot. Agron., Tunisie. Annales du Service Botanique et Agronomique. Tunis.

Serv. Inform. Agric. Min. Agric. Brasil. Ministerio da Agricultura. Serviço de Informaçao Agrícola. Rio de Janeiro.

Serv. Rech. Agron. Oujda. Service de la Recherche Agronomique et de l'Expérimentation Agricole et Services Agricoles Régionaux d'Oujda. Rabat, Morocco.

Sewage Works Engng. Munic. Sanit. Sewage Works Engineering and Municipal Sanitation. New York.

Sewage Works J. Sewage Works Journal. Lancaster, Pa.

Skogen. Stockholm.

Skogsodling-Föredrag. Skogsodling-Föredrag, hållna vid skogsodlingskursen å skogshögskolan den 23-26 april, 1945. Stockholm.

Smithson. Instn. Rept. Smithsonian Institution. Annual Report. Washington, D.C.

Socker Handl. Socker. Svenska Sockerfabriks Aktiebolagets Skrifter. Handlingar. (Communications from the Swedish Sugar Corporation.) Malmö.

Soil Conservation. Washington, D.C.

Soil Rept. Geol. Soil Surv. Fukien. Soil Report of the Geological and Soil Survey of Fukien. Yungan, Fukien.

Soil Res. Soil Research. Berlin.

Soil Sci. Soil Science. Baltimore, Md.

Soils and Fert. Soils and Fertilizers. Harpenden.

Soils Quart. Soils Quarterly (China). Pehpei, Chungking.

Sotsial. Zemled. Sotsialisticheskoe Zemledelie (Socialist Agriculture). Moscow.

Sovet. Agron. Sovetskaia Agronomia. (Soviet Agronomy). Moscow.

Sovet. Bot. Sovetskaia Botanika (Soviet Botany). Moscow.

Soybean Digest. Hudson, Iowa.

Sta. Chim.-Agrar. Sper. Roma Pub. R. Stazione Chimico-Agraria Sperimentale di Roma. Pubblicazione. Rome.

Sta. Féd. Vit. Arb. Chim. Agric. Lausanne Rapp. Stations Fédérales d'essais viticoles, arboricoles et de chimie agricole, à Lausanne et à Pully. Rapport. Berne.

Statens Forsøgsvirks. Plantekult. Medd. Statens Forsøgsvirksomhed i Plantekulture. Meddelelse. Copenhagen.

Success. Fmg. Successful Farming. Des Moines, Ia.

Sucr. Belge. La Sucrerie Belge. Brussels.

Sudan Govt. Soil Conserv. Cttee. Rept. Sudan Government Soil Conservation Committee. Report.

Suelo Argentino. Buenos Aires.

Sug. Beet J. Sugar Beet Journal. Saginaw, Mich.

Sug. Bull. Sugar Bulletin. New Orleans, La.

Sug. J. Sugar Journal and Tropical Cultivator. Mackay, Queensland.

Sug. Prod. Assoc. Brit. Guiana. The Sugar Producers' Association of British Guiana. Georgetown.

Sugar. Sugar (Including Facts about Sugar, The Planter and Sugar Manufacturer). Hoboken, N.J.

Sun Yat-Sen Univ. Coll. Agric. Soil Bull. College of Agriculture. Sun Yat-Sen University. The Soil Survey Office. Soil Bulletin. Canton.

Surveyor. London.

Svensk Geog. Årsb. Svensk Geografish Årsbok. Lund.

Svensk Jordbr. Forsk. Årsb. Svensk Jordbruks Forskning Årsbok. Stockholm.

Svenska SkogsvFören. Tidskr. Svenska Skogsvårdsföreningens Tidskrift. Stockholm.

Svenska Vall- o. MosskFören. Kvartalsskr. Svenska Vall- och Mosskulturföreningens Kvartalsskrift. Uppsala.

Svenska Vall- o. MosskFören. Medd. Svenska Vall- och Mosskulturföreningens Meddelanden. Uppsala.

Sverig. Geol. Unders. Årsb. Sveriges Geologiska Undersökning. Årsbok. Stockholm.

Sverig. Hand. Trädgårdsmäst. Förb. Jubil. Skr. jämte. Arsbok. Sveriges Handelsträdgårdsmästareförbunds Jubileumsskrift jämte Årsbok. Stockholm.

Sverig. Utsädesfören. Tidskr. Sveriges Utsädesförenings Tidskrift. Svalöf.

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Swaziland Vet. Agric. Dept. Rept. Swaziland Veterinary and Agricultural Department. Annual Report.

Sylva. (Edinburgh University Forestry Society). Edinburgh.

Symb. Bot. Upsaliens. Symbolae Botanicae Upsalienses. Arbeten från Botaniska Institutionen i Uppsala. Uppsala.

Szechwan Agric. Impr. Inst. Circ. Szechwan Provincial Agricultural Improvement Institute. Circular.

Szechwan Agric. Impr. Inst. Spec. Soils Bull. Szechwan Agricultural Improvement Institute. Special Soils Bulletin.

Tabac. Le Tabac. Bulletin d'Information et de Documentation du Centre International du Tabac. Rome.

Tabak. Der Tabak. Wissenschaftliche Zeitschrift der Internationalen Tabakwissenschaftlichen Gesellschaft. Zeitschrift für Tabakanbau, Tabakverarbeitung, Tabak- und Tabakwaren-Handel. Berlin.

Taiwan Agric. Res. Inst. Tech. Bull. Taiwan Agricultural Research Institute. Technical Bulletin. Taipeh, Taiwan.

Tanganyika Dept. Agric. Pamph. Tanganyika Department of Agriculture. Pamphlet. London and Dar-es-Salaam.

Tanganyika Dept. Agric. Sisal Expt. Sta. Rept. Tanganyika Department of Agriculture Sisal Experiment Station. Report. Dar-es-Salaam.

Tanganyika Rept. Dept. Agric. Department of Agriculture, Tanganyika Territory. Report. London and Dar-es-Salaam.

Tasm. J. Agric. Tasmanian Journal of Agriculture. Hobart.

Tea Quart. The Tea Quarterly. The Journal of the Tea Research Institute of Ceylon. St. Coombs, Talawakelle.

Tea Res. Inst. Ceylon Rept. Tea Research Institute of Ceylon. Annual Report. St. Coombs, Talawakelle.

Tech. GemBl. Technisches Gemeindeblatt für Strassenbau, Landesplanung, Siedlungswesen, Stadtebau, Wasserversorgung und Entwässerung. Berlin.

Tech. Inf. Sect. Dev. Res. Dept. Mond Nickel Co. Technical Information Section, Development and Research Department, The Mond Nickel Co. Ltd.

Tectona. Tectona. Boschbouwkundig Tijdschrift. Buitenzorg.

Tenn. Agric. Expt. Sta. Bull. Tennessee Agricultural Experiment Station. Bulletin. Knoxville, Tenn.

Tenn. Agric. Expt. Sta. Circ. Tennessee Agricultural Experiment Station. Circular. Knoxville, Tenn.

Terre d'Oc. La Terre d'Oc Revue Moderne d'Agriculture. Vic-Fezensac, Gers.

Tex. Agric. Expt. Sta. Bull. Texas Agricultural Experiment Station. Bulletin. College Station, Texas.

Tex. Agric. Expt. Sta. Circ. Texas Agricultural Experiment Station. Circular. College Station, Texas.

Tex. Agric. Expt. Sta. Prog. Rept. Texas Agricultural Experiment Station. Progress Report. College Station, Tex.

Tharandt. Jahrb. Tharandter Forstliches Jahrbuch. Berlin.

Tidskr. Lantm. *See* **Lantmannen, Svenskt Land.**

Tidsskr. Kjemi Met. Tidsskrift for Kjemi Bergvesen og Metallurgi (*Formerly* Tidsskrift for Kjemi og Bergvesen.) Oslo.

Tidsskr. Landøkon. Tidsskrift for Landøkonomi. Copenhagen.

Tidsskr. Norske Landbr. Tidsskrift for det Norske Landbruk. Oslo.

Tidsskr. Planteavl. Tidsskrift for Planteavl. Copenhagen.

Tiende Nacobrouw Jaarb. Tiende Nacobrouw Jaarboekje. Groningen.

Tijdschr. Ned. Heidemaatsch. Tijdschrift der Nederlandsche Heidemaatschappij. Utrecht.

Tijdschr. Nederl. Aardrijkskund. Gen. Tijdschrift van het Koninklijk Nederlandsch Aardrijkskundig Genootschap. Amsterdam.

Tijdschr. PlZiekt. Tijdschrift over Plantenziekten. Wageningen.

Tocklai Expt. Sta. Rept. Indian Tea Association, Scientific Department, Tocklai Experimental Station. Annual Report. Calcutta.

Trans. Amer. Geophys. Un. Transactions of the American Geophysical Union. Washington, D.C.

Trans. Bose Res. Inst. Transactions of the Bose Research Institute. Calcutta.

Trans. Bot. Soc. Edinburgh. Transactions and Proceedings of the Botanical Society of Edinburgh.

Trans. Brit. Mycol. Soc. Transactions of the British Mycological Society. London.

Trans. Ceram. Soc. Transactions of the Ceramic Society. (*Now* Transactions of the British Ceramic Society). Tunstall.

Trans. Dokuchaev Soil Inst. Transactions of the Dokuchaev Soil Institute. (Trudy Pochvennogo Instituta imeni V. V. Dokuchaeva.) Leningrad.

Trans. Highl. Agric. Soc. Scot. Transactions of the Highland and Agricultural Society of Scotland. Edinburgh.

Trans. Inst. Rubber Indust. Transactions of the Institute of Rubber Industry. London.

Trans. Inst. Water Engrs. Transactions of the Institution of Water Engineers. London.

Trans. Kans. Acad. Sci. Transactions of the Kansas Academy of Science. Manhattan, Kans.

Trans. Peninsula Hort. Soc. Transactions of the Peninsula Horticultural Society. Newark, Del.

Trans. Roy. Soc. N.Z. Transactions and Proceedings of the Royal Society of New Zealand. Wellington.

Trans. Roy. Soc. S. Africa. Transactions of the Royal Society of South Africa. Cape Town.

Trans. Roy. Soc. S. Aust. Transactions of the Royal Society of South Australia. Adelaide.

Trans. Tex. Acad. Sci. Transactions of the Texas Academy of Science. Austin.

Trans. Wis. Acad. Sci. Transactions of the Wisconsin Academy of Sciences, Arts and Letters. Madison.

Trav. Inst. Rech. Sahariennes. Travaux de l'Institut de Recherches Sahariennes. Algiers.

Trav. Sect. Tech. Agric. Trop. Ire Sér. Min. Colon. France. Travaux de la Section Technique d'Agriculture Tropicale (Ire Série). Ministère des Colonies. Paris.

Trees. Cleveland, Ohio.

Trin. Sug.-Cane Investig. Cttee. Rept. The Sugar-Cane Investigation Committee, Trinidad. Annual Report. Port-of-Spain, Trin.

Trop. Agric. Trin. Tropical Agriculture. The Journal of the Imperial College of Tropical Agriculture. St. Augustine, Trin.

Trop. Agricst. Tropical Agriculturist. The Agricultural Journal of Ceylon. Peradeniya.

Trudy Inst. Les. Khoz. *See* Trudy VNIILKh.

Trudy Lab. Phys. Pochv. Trudy Laboratorii Physiki Pochv. (Transactions of the Laboratory of Soil Physics.) Leningrad.

Trudy Molotovsk. Gosud. S.-Kh. Inst. Trudy Molotovskogo Gosudarstvennogo Selskokhoziastvennogo Instituta. (Transactions of the Molotov State Institute of Agriculture.) Molotov.

Trudy S.-Kh. Akad. Timiriazeva. Trudy Selsko-Khoziastvennoi Akademii imeni Timiriazeva. (Transactions of the Timiriazev Agricultural Academy.) Moscow.

Trudy VNIILKh. Trudy Vsesoyuznogo Nauchno-Issledovatel'skogo Instituta Lesnogo Khoziastva. (Transactions of the State Forest Research Institute.)

Tucumán Esta. Expt. Agric. Bol. Tucumán Estación Experimental Agrícola. Boletín. Tucumán, Argentina.

Tucumán Esta. Expt. Agric. Circ. Tucumán Estación Experimental Agrícola. Circular. Tucumán, Argentina.

Tuinbouw. De Tuinbouw. 's-Gravenhage.

U.S. Bur. Mines Bull. United States Bureau of Mines. Bulletin. Washington, D.C.

U.S.D.A. Bibl. Bull. United States Department of Agriculture. Bibliographical Bulletin. Washington, D.C.

U.S.D.A. Bur. Agric. Econ. F.M. United States Department of Agriculture. Bureau of Agricultural Economics. Farm Management. Washington, D.C.

U.S.D.A. Bur. Agric. Indust. Chem. United States Department of Agriculture. Bureau of Agricultural and Industrial Chemistry. Washington, D.C.

U.S.D.A. Circ. United States Department of Agriculture. Circular. Washington, D.C.

U.S.D.A. Farm. Bull. United States Department of Agriculture. Farmers' Bulletin. Washington, D.C.

U.S.D.A. Forest Serv. Misc. Pub. United States Department of Agriculture Forest Service. Miscellaneous Publication. Washington, D.C.

U.S.D.A. Libr. List. United States Department of Agriculture. Library List. Washington, D.C.

U.S.D.A. Misc. Pub. United States Department of Agriculture. Miscellaneous Publication. Washington, D.C.

U.S.D.A. Off. Foreign Agric. Relat. United States Department of Agriculture. Office of Foreign Agricultural Relations. Washington, D.C.

U.S.D.A. Soil Conserv. Serv. United States Department of Agriculture. Soil Conservation Service. Washington, D.C.

U.S.D.A. Soil Conserv. Serv. Phys. Land Survey. United States Department of Agriculture. Soil Conservation Service Physical Land Survey. Washington, D.C.

U.S.D.A. Tech. Bull. United States Department of Agriculture. Technical Bulletin. Washington, D.C.

U.S. Geol. Surv., Prof. Pap. United States Department of the Interior, Geological Survey, Bulletins, Circulars, Professional Papers and Water Supply Papers. Washington, D.C.

Uchen. Zap. Kazan. Gosud. Univ. Uchenie Zapiski Kazanskogo Gosudarstvennogo Universiteta imeni V.I. Ul'yanova-Lenina. (Scientific Memoirs of the University of Kazan). Kazan.

Uchen. Zap., Pochvovedenie. Uchenie Zapiski M.V. Lomonosova. Pochvovedenie. Scientific Memoirs of the Moscow Order of Lenin State University. Pedology. Moscow.

Uganda Dept. Agric. Rept. Uganda Protectorate. Annual Report of the Department of Agriculture. Uganda.

Univ. Alberta Fac. Agric. Bull. University of Alberta, Faculty of Agriculture. Bulletin. Edmonton.

Univ. Camb. Sch. Agric. Mem. University of Cambridge School of Agriculture Memoir. Cambridge.

Univ. Colo. Stud. University of Colorado Studies. Boulder, Colo.

Univ. Microfilm Abs. Microfilm Abstracts. Universities Microfilms. Ann Arbor, Mich.

Univ. Saskatchewan Soil Surv. Rept. Soil Survey Reports. University of Saskatchewan College of Agriculture. Saskatoon.

Univ. Sydney Pub. Bot. Sch. University of Sydney. Publications of the Botany School.

Univ. Witwatersrand, Botany Dept. University of Witwatersrand, Botany Department. Johannesburg.

Utah Agric. Expt. Sta. Bull. Utah Agricultural Experiment Station. Bulletin. Logan, Utah.

Utah Agric. Expt. Sta. Circ. Utah Agricultural Experiment Station. Circular. Logan, Utah.

Utah Interm. For. Range Sta. Res. Pap. Utah Intermountain Forest and Range Experimental Station. Research Paper.

Va. Acad. Sci. Proc. Virginia Academy of Science. Proceedings. Richmond, Va.

Va. Agric. Expt. Sta. Bull. Virginia Agricultural Experiment Station. Bulletin. Blacksburg, Va.

Va. Fruit. Virginia Fruit. Staunton, Va.

Valt. Maatalousk. Julk. Valtion Maatalouskoetoiminnan Julkaisuja. Helsinki.

Växtodling. Plant Husbandry. Skrifter Från Institutionen För Växtodlingslära Vid Kungl. Lantbrukshögskolan. Publications from the Institute of Plant Husbandry (Crop Production) of the Royal Agricultural College of Sweden. Uppsala.

Veg. Growers Assoc. Am. Rept. Vegetable Growers Association, America. Annual Report. Worthington, Ohio.

Versl. Bodemk. Inst. Groningen. Verslagen van Landbouwkundige Onderzoekingen. A. Rijkslandbouwproefstation en Bodemkundig Instituut Groningen. The Hague.

Versl. Inst. Onderz. Verw. Fruit. Verslagen van het Instituut voor Onderzoek op het Gebied van Verwerking van Fruit en Groenten. Wageningen.

Versl. Landbouwk. Onderzoek. Verslagen van Landbouwkundige Onderzoekingen der Rijkslandbouwproefstations. The Hague.

Versl. Nederl. Akad. Wetensch. Afd. Natuurkunde. Verslagen Nederlandsche Akademie van Wetenschappen. Afdeeling Natuurkunde. Amsterdam.

Versl. RijkslandbProefsta. Groningen. Verslagen van Landbouwkundige Onderzoekingen, Rijkslandbouwproefstation te Groningen. The Hague.

Vest. Akad. Nauk S.S.S.R. Vestnik Akademie Nauk S.S.S.R. Moscow.

Věst. Čsl. Akad. Zeměd. Věstník Československé Akademie Zemědělské (Bulletin of the Czechoslovak Academy of Agriculture). Prague.

Věst. Královské České Společnosti Nauk. Věstník Královské České Společnosti Nauk. Prague.

Vest. S.-Kh. Nauk. Ovosh. Kartof. Vestnik Selsko-Khoziastvennoi Nauki. Ovoshchevodstvo i Kartofel. Moscow.

Vest. Sotsial. Rast. Vestnik Sotsialisticheskogo Rastenievodstva. (Bulletin of Socialist Plant Industry). Moscow.

Vest. Udob. Agrotekh. Agropochvoved. Vestnik Sel'skokhoziastvennoi Nauki (Udobrenie, Agrotekhnika, Agropochvovedenie). (Bulletin of Agricultural Science, Fertilizers, Agrotechnique and Agro-Soil Science). Moscow.

Victoria Dept. Agric. Tech. Bull. Department of Agriculture. Victoria. Technica Bulletin. Melbourne.

Vie Agric. Rur. Vie Agricole et Rurale. Paris.

Vsesoiuz. Nauch.-Issled. Inst. Bolot. Khoz. Sel'skokhoz. Osvoenie Bolot. Rept. Vsesoiuzny Nauchno-Issledovatelsky Institut Bolotnogo Khoziastva Sel'skokhosiastvennoe Osvoenie Bolot. (All-Union Scientific Experimental Institute of Swamp Husbandry. Agricultural Reclamation of Swamps.) Report. Minsk.

Vt. Agric. Expt. Sta. Bull. Vermont Agricultural Experiment Station. Bulletin. Burlington, Vt.

Vt. Coll. Agric. Rept. Vermont College of Agriculture. Annual Report. Burlington, Vt.

W. Afric. Cacao Res. Inst. Rept. West African Cacao Research Institute. Annual Report. Tafo, Gold Coast.

W. Afric. Cacao Res. Inst. Quart. Rept. West African Cacao Research Institute. Quarterly Report. Tafo, Gold Coast.

W. China Border Res. Soc. J. West China Border Research Society. Journal. Chengtu.

W. Va. Agric. Expt. Sta. Bull. West Virginia Agricultural Experiment Station. Bulletin. Morgantown, W. Va.

Wallerstein Lab. Comm. Wallerstein Laboratories Communications. New York.

Wash. Agric. Expt. Sta. Bull. State College of Washington. Agricultural Experiment Station. Bulletin. Pullman, Wash.

Wass. u. Abwass. Wasser und Abwasser. Berlin.

Wein u. Rebe. Wein und Rebe. Illustrierte Monatshefte für Kellerwirtschaft und Weinbau. Mainz, Germany.

Welsh J. Agric. Welsh Journal of Agriculture. Cardiff.

Westminster Bank Rev. Westminster Bank Review. London.

Wis. Agric. Expt. Sta. Bull. Agricultural Experiment Station of the University of Wisconsin. Bulletin. Madison, Wis.

Wis. Agric. Expt. Sta. Res. Bull. Agricultural Experiment Station of the University of Wisconsin. Research Bulletin. Madison, Wis.

Worcs. Agric. Chron. Worcestershire County Council Agricultural Quarterly Chronicle. Worcester.

Wyo. Agric. Expt. Sta. Bull. Wyoming University Agricultural Experiment Station. Bulletin. Laramie, Wyo.

Yrbk. Amer. Phil. Soc. American Philosophical Society. Yearbook. Philadelphia.

Zbl. Bakt. Zentralblatt für Bakteriologie, Parasitenkunde und Infectionskrankheiten. Jena.

Zeměd. Arch. Zemědělsky Archiv. Prague.

Zemed. Nauka. Zemedelska Nauka (Agricultural Science). Sofia.

Zeměd. Pokrok. Zemědělsky Pokrok. Prague.

Zh. Khim. Prom. Zhurnal Khimicheskoi Promyshlennosti. (Journal of Chemical Industry.) Moscow.

Zh. Prikl. Khim. Zhurnal Prikladnoi Khimii. (Journal of Applied Chemistry.) Leningrad.

Ztschr. Forst- u. Jagdw. Zeitschrift für Forst- und Jagdwesen. Berlin.

Ztschr. Gesam. Forstw. Zeitschrift für das gesamte Forstwesen. Berlin.

Ztschr. Kristallog. Zeitschrift für Kristallographie. Leipzig.

Ztschr. Pflanz. Düng. Zeitschrift für Pflanzenernährung, Düngung und Bodenkunde. Berlin.

Ztschr. PflKrank. PflSchutz. Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz. Stuttgart.

Ztschr. Schweiz. Forstver. Beih. Beiheft zu den Zeitschriften des Schweizerischen Forstvereins.

Ztschr. Vitaminforsch. Zeitschrift für Vitaminforschung. Zugleich Zentralblatt für Vitaminologie und verwandte Ernährungsprobleme. Bern.

Ztschr. Weltforstw. Zeitschrift für Weltforstwirtschaft. Berlin.

Ztschr. Wirtschaftsgr. Zuckerindust. Zeitschrift der Wirtschaftsgruppe Zuckerindustrie. Berlin.

Ztschr. Zuckerindust. Čsl. Zeitschrift für die Zuckerindustrie der Čechoslovakischen Republik. Prague.

Zuckerrübenbau. Hanover.

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